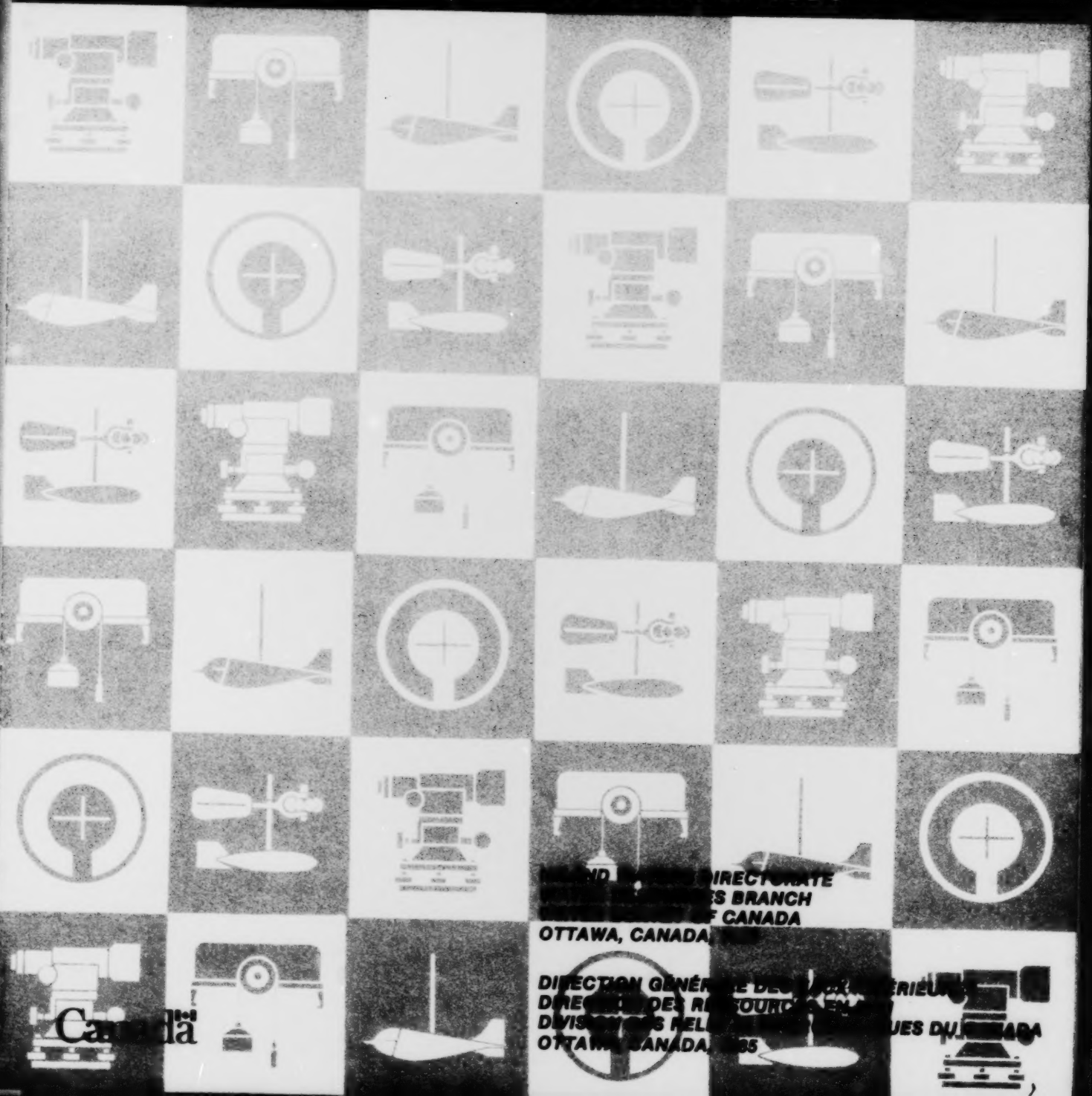
Historical Streamflow Summary

Alberta

Sommaire chronologique de l'écoulement

TO/JUSQU'À **1984**



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OTTAWA, CANADA

DIRECTION GÉNÉ... DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA ...35

Canada

Metric Commission Canada has granted use of the National Symbol for Metric Conversion. The metric usage in this text has been reviewed by the Metric Screening Office of the Canadian General Standards Board.

La Commission du système métrique Canada a autorisé l'utilisation du symbole national de conversion au système métrique. Le Service du contrôle métrique de l'Office des normes générales du Canada a revisé l'utilisation du système métrique dans cette publication.

Environment Canada | Environnement Canada

Historical Streamflow Summary

Alberta

Sommaire chronologique de l'écoulement

TO/JUSQU'À **1984**

INLAND WATERS DIRECTORATE
WATER RESOURCES BRANCH
WATER SURVEY OF CANADA
OTTAWA, CANADA, 1985

DIRECTION GÉNÉRALE DES EAUX INTÉRIEURES
DIRECTION DES RESSOURCES EN EAU
DIVISION DES RELEVÉS HYDROLOGIQUES DU CANADA
OTTAWA, CANADA, 1985

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Cat. No. En 36-418/1984-6

ISBN 0-662-54174-X

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N° de cat. En 36-418/1984-6

ISBN 0-662-54174-X

PREFACE

This publication was prepared by personnel of the Water Survey of Canada Division under the direction of the Director, Water Resources Branch, Department of the Environment, Ottawa.

The basic data were collected and compiled under the supervision of the Regional Chief of the Water Resources Branch at Calgary, Alberta.

The co-operation received from provincial agencies and from other organizations is gratefully acknowledged.

PRÉFACE

La Division des relevés hydrologiques du Canada, sous l'autorité du Directeur des ressources en eau du ministère de l'Environnement (Ottawa), a préparé la présente publication.

On a recueilli et compilé les données de base sous la supervision du Chef régional de la Direction des ressources en eau, à Calgary (Alberta).

On remercie vivement les organismes provinciaux, ou autres, pour la coopération qu'ils ont apportée.

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INTRODUCTION

The Water Resources Branch of the Department of the Environment herein presents a summary of monthly and annual mean discharges and annual extremes of discharge for rivers in Alberta for which streamflow data to 1984 inclusive have been collected by the Water Survey of Canada. This edition supersedes all previous editions.

A program for the collection and publication of Surface Water Data has been carried on across Canada for over 75 years. The results of these hydrometric survey investigations have been published annually.

Discharge data are available on punched cards or magnetic tape for computer processing. These data and details on individual stations and related records, as well as recent data which have not yet been published may be obtained upon application to:

Regional Chief,
Water Resources Branch,
Department of the Environment,
Bag 2909,
Postal Station 'M',
(Room 854,
220–4th Avenue S.E.,)
Calgary, Alberta.
T2P 2M7

or to the Director, Water Resources Branch, Department of the Environment, Ottawa, Ontario, K1A 0E7.

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INTRODUCTION

La Direction des ressources en eau du ministère de l'Environnement présente un sommaire des moyennes mensuelles et annuelles de l'écoulement et des extrêmes annuels de cours d'eau de l'Alberta, pour lesquels la Division des relevés hydrologiques du Canada a obtenu des données jusqu'en 1984 inclusivement. La présente publication annule toutes les éditions antérieures.

La cueillette et la publication de données sur les eaux de surface sont en oeuvre depuis plus de 75 années au Canada. Les données obtenues à partir des relevés hydrométriques sont publiées annuellement.

On peut se procurer les données sur l'écoulement sous forme de cartes perforées ou de rubans magnétiques pour traitement sur ordinateur. En s'adressant aux endroits ci-après, on peut obtenir ces données, des renseignements supplémentaires sur certaines stations particulières et divers relevés ainsi que des données récentes non encore publiées:

Chef régional
Direction des ressources en eau
Ministère de l'Environnement
Sac postal 2909
Succursale postale 'M'
(Pièce 854,
220, Quatrième avenue S.-E.)
Calgary (Alberta)
T2P 2M7

ou au Directeur, Direction des ressources en eau, ministère de l'Environnement, Ottawa (Ontario), K1A 0E7.

ORGANIZATION AND HISTORY OF HYDROMETRIC SURVEY OPERATIONS

Hydrometric surveys in Alberta were conducted by the Water Survey of Canada under agreement with the Province of Alberta. The provincial authorities contributed to the cost of the basic field investigations which were carried out in accordance with mutually agreed-upon plans.

Stream measurement work was carried on between 1894 and 1908 in connection with the Canadian Irrigation Surveys. Early in 1909 the Hydrometric Survey was organized as part of the Forestry and Irrigation Branch and was conducted by the Branch until 1911. The Hydrometric Survey was then assigned to the Irrigation Branch (later the Reclamation Service) remaining in that organization until July, 1920, when it was transferred to the Dominion Water Power Branch. Following the transfer of the natural resources of Alberta to provincial control as of October 1, 1930, a co-operative agreement was arranged with the Government of Alberta for the continuance of the hydrometric survey by the federal government. Although this agreement was terminated in 1933 work was continued by the federal government under letter arrangement until 1975. A co-operative agreement, (with an implementation date of April 1, 1975), was signed with the Government of Alberta on April 15, 1975. The agreement provides that water quantity surveys will be continued by the federal government on a shared cost basis.

ORGANISATION ET HISTORIQUE DES RELEVÉS HYDROMÉTRIQUES

La Division des relevés hydrologiques du Canada a effectué des relevés hydrométriques en Alberta en vertu de l'accord conclu avec les autorités provinciales, qui ont contribué au coût des recherches de base réalisées sur le terrain, après entente mutuelle sur leur programme.

Entre 1894 et 1908, des relevés ont été effectués en même temps que les levés canadiens relatifs à l'irrigation. Au début de l'année 1909, un service des relevés hydrométriques a été créé au sein de la Direction des forêts et de l'irrigation, qui s'en est occupée jusqu'en 1911. L'exécution de ces relevés a ensuite été confiée à la Direction de l'irrigation (devenue plus tard le Service de la mise en valeur des terres), et ce jusqu'en juillet 1920, date à laquelle la Direction fédérale de l'énergie hydraulique en a pris charge. Après que la responsabilité des ressources naturelles de l'Alberta a passé à cette dernière, le 1er octobre 1930, un accord de coopération a été conclu avec son gouvernement, aux termes duquel le gouvernement fédéral s'est engagé à poursuivre l'exécution des relevés hydrométriques. L'accord à pris fin en 1933, mais en vertu d'une lettre d'entente, le gouvernement fédéral a continué d'exécuter les observations hydrométriques jusqu'en 1975. Le 15 avril 1975, le gouvernement de l'Alberta a signé un nouvel accord, qui est entré en vigueur le 1er avril 1975, renfermant des dispositions grâce auxquelles le gouvernement fédéral s'occupera du programme de relevés hydrométriques et partagera le coût des mesures avec la province.

CO—OPERATION AND ACKNOWLEDGMENTS

Co-operative undertakings with other agencies form an important part of the activities of the Water Survey of Canada. Close co-operation has been maintained with public agencies and private organizations concerned with water resources. Runoff and other data have been mutually exchanged and stream-gauging operations have been facilitated by the assistance received from a number of organizations.

On waters adjacent to the International Boundary, certain gauging stations are maintained by Canada (or the United States) under agreement with the United States (or Canada) and the records are collected and compiled in a manner equally acceptable to both countries. These stations are designated as "International Gauging Stations" in this publication.

For the valuable assistance and co-operation received in obtaining hydrometric survey records, the Water Survey of Canada is indebted to many organizations.

The names of these organizations are given in the Surface Water Data Reference Index and the annual Surface Water Data publications. The names of agencies who have contributed data for publication are identified herein under individual stations.

COOPÉRATION ET REMERCIEMENTS

Le travail entrepris en coopération avec d'autres organismes représente une partie importante des activités de la Division des relevés hydrologiques du Canada. On a maintenu une étroite collaboration avec les organismes, publics ou privés, qui s'intéressent aux ressources en eau. On a échangé des données portant sur l'écoulement ou sur d'autres points, et l'assistance fournie par beaucoup d'organismes a facilité les opérations de jaugeage.

Pour ce qui est des eaux adjacentes à la frontière internationale, certaines stations de jaugeage dépendent du Canada (ou des États-Unis) suite à un accord avec les États-Unis (ou le Canada), et les relevés sont faits et compilés de façon à satisfaire les deux pays. Ces stations sont nommées «Stations internationales de jaugeage».

La Division des relevés hydrologiques du Canada est redevable à maints organismes de l'aide et de la collaboration précieuses qu'ils lui ont apportées lors de la prise des relevés hydrométriques.

On trouvera les noms des organismes dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Les noms des organismes qui ont fourni des données apparaissent dans la présente publication sous les stations particulières.

EQUIVALENTS OF MEASURE

The following list of convenient equivalents of measure includes the relationship between imperial units and the International System of Units (SI).

1 inch equals 2.54 cm (centimetres)
1 foot equals 0.3048 m (metre)
1 statute mile equals 1.6093 km (kilometres)

1 cm (centimetre) equals 0.393 70 inch
1 m (metre) equals 3.2808 feet
1 km (kilometre) equals 0.621 37 mile

1 acre equals 43 560 square feet
1 acre equals 0.404 69 ha (hectare)
1 square mile equals 640 acres
1 square mile equals 2.5900 km^2 (square kilometres)
1 square mile equals 259.0 ha (hectares)

1 ha (hectare) equals 10 000 m^2 (square metres)
1 ha (hectare) equals 2.4710 acres
1 km^2 (square kilometre) equals 0.386 10 square mile

1 cubic foot equals 6.2288 imperial gallons
1 imperial gallon equals 4.546 09 L (litres)
1 imperial gallon equals 1.2010 U.S. gallons
1 U.S. gallon equals 0.133 68 cubic foot
1 cubic foot equals 0.028 317 m^3 (cubic metre)
1 m^3 (cubic metre) equals 35.315 cubic feet
1 dam^3 (cubic decametre) equals 1000 m^3 (cubic metres)
1 dam^3 (cubic decametre) equals 1 mm (millimetre) over 1 km^2 (square kilometre)

1 cubic foot per second for one day equals 1.9835 acre-feet
1 cubic foot per second for one day covers one square mile to a depth of 0.037 19 inch
1 acre-foot equals 1.2335 dam^3 (cubic decametres)
1 m^3/s (cubic metre per second) for one day equals 86.4 dam^3 (cubic decametre)
1 m^3/s (cubic metre per second) for one day covers one square kilometre to a depth of 0.0864 m (metre)

1 foot per second equals 0.6818 mile per hour
1 mile per hour equals 1.467 feet per second
1 m/s (metre per second) equals 3.6 km/h (kilometre per hour)
1 km/h (kilometre per hour) equals 0.2778 m/s (metre per second)

1 cubic foot per second equals 0.028 317 m^3/s (cubic metre per second)
1 m^3/s (cubic metre per second) equals 35.315 cubic feet per second

1 pound equals 0.453 59 kg (kilogram)
1 kg (kilogram) equals 2.2046 pounds

1 short ton (2000 pounds) equals 0.907 18 t (tonne)
1 t (tonne) equals 2204.6 pounds

degrees Celsius = 5/9 (degrees Fahrenheit - 32)
degrees Fahrenheit = 9/5 (degrees Celsius) + 32

ÉQUIVALENCES DES UNITÉS DE MESURE

Voici une liste des unités de mesure impériales et leurs équivalences dans le Système international d'unités (SI).

1 pouce vaut 2.54 cm (centimètres)
1 pied vaut 0.3048 m (mètre)
1 mille terrestre équivaut à 1.6093 km (kilomètre)

1 cm (centimètre) équivaut à 0.393 70 pouce
1 m (mètre) équivaut à 3.2808 pieds
1 km (kilomètre) équivaut à 0.621 37 mille

1 acre vaut 43 560 pieds carrés
1 acre équivaut à 0.404 69 ha (hectare)
1 mille carré vaut 640 acres
1 mille carré équivaut à 2.5900 km^2 (kilomètres carrés)
1 mille carré équivaut à 259.0 ha (hectare)

1 ha (hectare) vaut 10 000 m^2 (mètres carrés)
1 ha (hectare) équivaut à 2.4710 acres
1 km^2 (kilomètre carré) équivaut à 0.386 10 mille carré

1 pied cube équivaut à 6.2288 gallons impérials
1 gallon impérial vaut 4.546 09 L (litres)
1 gallon impérial équivaut à 1.2010 gallon américain
1 gallon américain équivaut à 0.133 68 pied cube
1 pied cube vaut 0.028 317 m^3 (mètre cube)
1 m^3 (mètre cube) vaut 35.315 pieds cubes
1 dam^3 (décamètre cube) vaut 1000 m^3 (mètres cubes)
1 dam^3 (décamètre cube) vaut 1 mm (millimètre) qui couvre 1 km^2 (kilomètre carré)

1 pied cube par seconde pendant un jour équivaut à 1.9835 acre-pied
1 pied cube par seconde pendant un jour équivaut à un volume d'un mille carré par 0.037 19 pouce
1 acre-pied équivaut à 1.2335 dam^3 (décamètres cubes)
1 m^3/s (mètre cube par seconde) pour un jour vaut 86.4 dam^3 (décamètre cube)
1 m^3/s (mètre cube par seconde) pour un jour couvre un kilomètre carré à une profondeur de 0.0864 m (mètre)

1 pied par seconde équivaut à 0.6818 mille par heure
1 mille par heure équivaut à 1.467 pied par seconde
1 m/s (mètre par seconde) vaut 3.6 km/h (kilomètre par heure)
1 km/h (kilomètre par heure) vaut 0.2778 m/s (mètre par seconde)

1 pied cube par seconde équivaut à 0.028 317 m^3/s (mètre cube par seconde)
1 m^3/s (mètre cube par seconde) équivaut à 35.315 pieds cubes par seconde

1 livre équivaut à 0.453 59 kg (kilogramme)
1 kg (kilogramme) équivaut à 2.2046 livres

1 tonne courte (2000 livres) équivaut à 0.907 18 t (tonne)
1 t (tonne) équivaut à 2204.6 livres

degrés Celsius = 5/9 (degrés Fahrenheit - 32)
degrés Fahrenheit = 9/5 (degrés Celsius) + 32

DEFINITION OF TERMS AND ABBREVIATIONS

"Control" is the condition downstream from a gauging station that determines the stage-discharge relationship. It may be a stretch of rapids, a weir or other artificial structure. In the absence of such features, the control may be a less obvious condition such as a convergence of the channel or even simply the resistance to flow through a downstream reach. A shifting control exists where the stage-discharge relationship tends to change because of impermanent bed or banks.

"Cubic metres per second" (m^3/s) is a unit expressing rate of discharge. One cubic metre per second is equal to one cubic metre of water flowing past a particular point in one second. This is the basic unit in general use, other units being computed from it by the use of factors as given in the previous paragraph under "Equivalents of Measure".

"Gauging station" is a location where systematic records of stage or stage and discharge are obtained.

"Miscellaneous (or related) data" is all data not published in the regular series of hydrometric and sediment data publications such as unpublished water levels and the various parameters that are measured in obtaining discharge measurements, e.g. water depth, velocity, width, air and water temperatures, ice thickness. This also includes discharge measurements and water level and sediment observations obtained at locations which are not regular gauging stations. Various types of "derived" data could also be considered "miscellaneous", such as water levels and discharges at selected time intervals (usually hourly).

"Stage-discharge relationship" is the relation between the water level and the discharge at a gauging station.

PUBLICATION OF SURFACE WATER AND SEDIMENT DATA

Surface Water Data have been published in a variety of formats in imperial units since 1908 in approximately 300 publications which are now mostly out-of-print. Commencing with the 1979 publications, data are presented in the International System of Units (SI). However, the format has remained the same wherein Canada is divided into eight regions. The provinces each represent a separate region except for New Brunswick, Newfoundland, Nova Scotia and Prince Edward Island which together form the Atlantic Provinces region, and the Yukon and Northwest Territories which make up another. The publications are identified by the province(s) or territories covered and the year in which data were collected. These data are published annually on a calendar-year basis and the stations are listed alphabetically, with two years of data per page.

The first edition of a *Surface Water Data Reference Index* was published for data to 1966 by province or region. Subsequent editions were published annually or biennially in one publication for Canada. Commencing with the 1979 publication, data are

DÉFINITIONS DES TERMES ET ABRÉVIATIONS

«Élément régulateur» – élément qui conditionne l'écoulement en aval d'une station de jaugeage et qui détermine la relation hauteur-débit au niveau de la station. Ce peut être une série de rapides, un déversoir ou toute autre structure artificielle. En l'absence de ces structures, l'élément régulateur peut provenir d'une condition moins apparente comme le rétrécissement d'un chenal ou simplement la résistance à l'écoulement d'un tronçon situé en aval. Il y a élément régulateur changeant quand la relation hauteur-débit tend à être modifiée par un lit ou des rives instables.

«Mètres cubes par seconde» (m^3/s) – unité du taux d'écoulement. Un mètre cube par seconde équivaut à un mètre cube d'eau s'écoulant en un point donné en une seconde. C'est l'unité de base généralement employée, les autres unités dérivées à partir de celle-ci sont données sous la rubrique «Équivalences des unités de mesure».

«Station de jaugeage» – lieu où l'on effectue des relevés systématiques de la hauteur ou de la hauteur et du débit de l'eau.

«Les données diverses (ou connexes)» – représentent toutes les données qui ne sont pas publiées dans les séries régulières des publications sur les données hydrométriques et les sédiments, par exemple celles des niveaux des eaux et des autres paramètres qui sont mesurés en même temps que le débit, soit la profondeur de l'eau, sa vitesse, son étendue, la température de l'eau et de l'air, l'épaisseur de la glace. Les mesures de débit ainsi que les observations sur les niveaux des eaux et les sédiments, obtenues à des emplacements autres que les stations régulières de jaugeage, sont aussi incluses. D'autres types de données «dérivées» pourraient aussi être classées dans cette catégorie de données «diverses», à savoir les niveaux des eaux et les débits observés à des intervalles de temps précis (en général, toutes les heures).

«Relation hauteur-débit» – relation qui existe entre la hauteur et le débit au niveau d'une station de jaugeage.

PUBLICATION DES DONNÉES SUR LES EAUX DE SURFACE ET LES SÉDIMENTS

Depuis 1908, les *Données sur les eaux de surface* ont été publiées, en utilisant diverses formules et en ayant recours au système d'unités impériales, dans quelque 300 publications lesquelles sont pour la plupart épuisées. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Toutefois, la présentation est toujours la même, c'est-à-dire que le Canada est divisé en huit régions. Chaque province représente une région distincte sauf le Nouveau-Brunswick, la Terre-Neuve, la Nouvelle-Écosse et l'Île du Prince-Édouard qui constituent la région des provinces de l'Atlantique, comme c'est le cas aussi pour le Yukon et les Territoires du Nord-Ouest qui sont réunis en une seule région. Les publications sont identifiées par le nom des provinces ou territoires concernés et par l'année de la cueillette des données. Les données sont publiées annuellement, en fonction de l'année civile, et les stations sont classées par ordre alphabétique, chaque page de données couvrant deux années.

La première édition de l'*Index de référence des données sur les eaux de surface* comprenait les données disponibles jusqu'en 1966, de chaque province ou région. Les éditions subséquentes étaient publiées annuellement ou tous les deux ans en une seule publication

presented in the International System of Units (SI) and published every two years. Gauging stations are listed by province or territory, in upstream to downstream order. Coloured maps showing the locations of both active and discontinued stations were included in the first and second editions and were provided in a separate Hydrometric Map Supplement to the 1972 and the 1977 editions. The latest editions of the Reference Index and the Hydrometric Map Supplement supersede all previous editions.

The first edition of a publication series titled *Historical Streamflow Summary* was produced for data to 1970. Subsequent editions have been published every three years. This publication series contains a summary of historical monthly and annual mean discharges and annual extremes for the entire period of record for all stations where streamflow data have been collected during the history of the Water Survey of Canada. Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1982 will be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a publication series titled *Historical Water Levels Summary* was produced for data to 1976. This publication series contains a summary of historical monthly and annual mean water levels and annual extremes for the period of record for all stations on lakes or reservoirs where water level data have been collected during the history of the Water Survey of Canada. It also contains a summary of water level data for all stations on rivers where "water levels only" were collected or for certain stations on rivers where streamflow data are collected, but the historical water level information is considered to be of sufficient demand to warrant inclusion in the publication (daily water levels for stations where streamflow data are collected are not normally published in the annual Surface Water Data publications). Data are published by province or region, as for the annual Surface Water Data publications. Commencing with the 1979 publications, data are presented in the International System of Units (SI). Editions subsequent to 1983 will be published every two years. The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

During the years 1948 to 1960, some sediment data were collected for several Prairie rivers to meet the needs of particular projects. The first Paper containing sediment data incorporates a selection of these data and also data for part of the year ending September 30, 1961, at stations established for the continuing program. The second issue is a biennial publication covering only the continuing program for the 1962 and 1963 water years. All subsequent editions titled *Sediment Data Canadian Rivers* were published annually. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI).

The first edition of a *Sediment Data Reference Index* was published for data to 1972. It contains a tabulation of locations where sediment data in Canada were collected by the Water Survey

pour tout le Canada. À partir de 1979, les données sont fournies dans le Système international d'unités (SI) et les éditions subséquentes vont paraître tous les deux ans. Les stations de jaugeage sont présentées par province ou territoire et placées dans l'ordre de leur position, d'amont en aval. Des cartes en couleurs, qui indiquent l'emplacement des stations hydrométriques en service, y compris celles qui ne le sont plus, ont paru dans les première et deuxième éditions ainsi que dans le *Supplément de cartes hydrométriques* de 1972 et de 1977. L'édition la plus récente de l'*Index de référence* et celle du *Supplément de cartes hydrométriques* annulent les éditions antérieures.

La première édition d'une série de publications intitulée *Sommaire chronologique de l'écoulement* renfermait les données disponibles jusqu'en 1970. Les éditions subséquentes étaient publiées tous les trois ans. Cette série de publications renferme un résumé des moyennes mensuelles et annuelles des débits ainsi que les débits extrêmes annuels pour toute la période d'enregistrement et pour toutes les stations où des données de débit sont recueillies par la Division des relevés hydrologiques du Canada. Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1982 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une série de publications intitulée *Sommaire chronologique des niveaux d'eau* comprenait les données disponibles jusqu'en 1976. Cette série de publications contient un résumé des niveaux moyens mensuels et annuels ainsi que des niveaux extrêmes annuels pour la période d'enregistrement pour toutes les stations de lacs ou de réservoirs où des données sur les niveaux d'eau sont recueillies par la Division des relevés hydrologiques du Canada. Elle renferme également un résumé des niveaux d'eau pour toutes les stations de rivières effectuant «uniquement» des relevés de niveaux d'eau ou pour certaines stations de rivières où des données de débit sont recueillies de même que des données sur les niveaux d'eau qui peuvent répondre aux besoins des utilisateurs (en général, les niveaux d'eau quotidiens de stations effectuant des relevés de débit ne sont pas publiées dans les publications annuelles des données sur les eaux de surface). Les données sont publiées par province ou région, comme c'est le cas pour les publications annuelles des données sur les eaux de surface. À partir de 1979, les données sont fournies dans le Système international d'unités (SI). Les éditions subséquentes à 1983 vont paraître tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

De 1948 à 1960, on avait recueilli des données pour plusieurs cours d'eau des Prairies en prévision de la réalisation de certains projets. La première publication contenait un choix de ces données ainsi que d'autres, recueillies en 1961 avant le 30 septembre par des stations établies pour la réalisation du programme permanent. La deuxième publication portait sur les données recueillies dans le cadre du programme, au cours des années hydrologiques 1962 et 1963. Toutes les éditions subséquentes intitulées *Données sur les sédiments de rivières canadiennes* étaient publiées annuellement. À partir de 1978, les données sont fournies dans le Système international d'unités (SI).

La première édition de l'*Index de référence des données sur les sédiments* renfermait les données disponibles jusqu'en 1972. Elle comprenait une mise en tableaux des emplacements où des données

of Canada. The index has been subdivided alphabetically by province or territory, with sediment survey stations listed alphabetically. Commencing with the 1978 publication, data are presented in the International System of Units (SI) and will continue to be published every two years. The latest edition supersedes all previous editions since it contains any corrections or additions since the last publication.

The first edition of a new publication series titled *Historical Sediment Data Summary for Canadian Rivers* was produced for data to 1974. This publication contains a summary of historical monthly and annual mean suspended sediment load, and annual extremes of daily suspended sediment concentration and loads and total annual suspended load. Commencing with the 1978 publication, data are presented entirely in the International System of Units (SI). The latest edition supersedes all previous editions, since it contains any corrections or additions since the last publication.

sur les sédiments sont recueillies au Canada par la Division des relevés hydrologiques. L'Index est subdivisé alphabétiquement par province ou territoire et les stations de relevés des sédiments sont classées en ordre alphabétique. À partir de 1978, les données sont fournies dans le Système international d'unités (SI) et sont publiées tous les deux ans. L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

La première édition d'une nouvelle série de publications intitulée *Sommaire chronologique des données sur les sédiments de rivières canadiennes* renfermait les données disponibles jusqu'en 1974. Cette série présente un résumé des moyennes mensuelles et annuelles de la charge de sédiments en suspension, des extrêmes annuels de la concentration quotidienne et de la charge quotidienne des sédiments en suspension, ainsi que de la charge totale annuelle des sédiments en suspension. À partir de 1978, les données sont fournies dans le Système international d'unités (SI). L'édition la plus récente annule toutes les éditions antérieures, car elle renferme toutes les corrections et mises à jour depuis la dernière parution.

EXPLANATION OF HISTORICAL STREAMFLOW SUMMARY PUBLICATION

A. General Description

Descriptive information about a gauging station is given herein below the table of monthly and annual mean discharges. This refers to such items as latitude and longitude, drainage area and whether the flow is natural or regulated (the year that regulation began is given, if known); International Gauging Stations are identified and the names of co-operating agencies who supply data are given; unusual conditions are explained under "Remarks".

This descriptive information (except the "Remarks" statement) is also given in the Surface Water Data Reference Index and the annual Surface Water Data publications. However, these two publications contain additional information not given herein such as the type of gauge, period of record and other pertinent remarks. Historical streamflow data as contained herein are published by province or region and also in alphabetical order as in the annual Surface Water Data publications. However, the Historical Streamflow Summary publications contain data for both active and discontinued streamflow stations and do not contain any water level data. These publications will be published every two years and will contain data for all streamflow stations for the entire period of record not just the data for the intervening two years.

B. Method of Tabulation of Data

For gauging stations where systematic streamflow data have been obtained, the following are given for the period of record to 1984 inclusive:

1. Summary of monthly and annual mean discharges;
2. Annual maximum instantaneous discharges;

EXPLICATION DU *SOMMAIRE CHRONOLOGIQUE DE L'ÉCOULEMENT*

A. Description générale

Sous ce titre on trouve les renseignements descriptifs pour une station de relevés de l'écoulement, qui sont fournis après l'extrait des moyennes mensuelles et annuelles. Il s'agit de la latitude et de la longitude; de la superficie du bassin versant; du débit reconnu comme naturel ou régularisé (on indique l'année où la régularisation a débuté, si elle est connue); des stations internationales de jaugeage et des noms des organismes ayant fourni des données ainsi que des précisions sur les conditions spéciales qui prévalaient à la station (elles figurent dans les «Remarques»).

On trouvera également ces renseignements descriptifs (sauf les «Remarques») dans l'*Index de référence des données sur les eaux de surface* et dans les publications annuelles des *Données sur les eaux de surface*. Cependant, ces dernières traitent d'information additionnelles telles que du type de jauge, de la période d'enregistrement et d'autres remarques pertinentes. Les données historiques sur l'écoulement, qui sont contenues dans la présente publication, sont subdivisées en ordre alphabétique selon les provinces ou les territoires comme pour les publications annuelles des *Données sur les eaux de surface*. Par contre, le *Sommaire chronologique de l'écoulement* contient des données non seulement de stations en opération, mais aussi de stations qui ne le sont plus; aucune donnée sur le niveau des eaux n'est toutefois fournie. Cette publication paraîtra tous les deux ans et portera sur les données de toutes les stations de relevés de l'écoulement pour toute la période d'enregistrement plutôt que sur les données qui ne couvrent que les deux années.

B. Présentation sous forme de tableaux des données

Pour les stations où on a effectué un relevé systématique de l'écoulement, les données suivantes sont présentées pour la période d'enregistrement allant jusqu'en 1984 inclusivement:

1. Un extrait des moyennes mensuelles et annuelles;
2. Un tableau des valeurs annuelles maximales instantanées;

3. Annual maximum and minimum daily discharges;

4. Identification of the extreme recorded for the period of record;

5. Annual total discharge in cubic decametres.

The following standard symbols are used opposite the daily discharge to which they apply. These symbols will not appear opposite the monthly and annual mean discharges, but will appear with the annual maximum instantaneous value and the annual maximum and minimum daily values, if applicable:

A – Manual Gauge – indicates that one or more manual gauge observations per day were obtained and used as the mean for the day for a gauging station equipped with a recording gauge during that particular year. A station may have several periods of recording or manual gauges throughout its history. For more details concerning the type of gauge operated during the period of record, the *Surface Water Data Reference Index* should be consulted. This symbol is used during open-water periods only.

B – Ice Conditions – indicates that for a gauging station where discharge data are obtained the presence of ice has affected the stage-discharge relationship.

E – Estimated – indicates any estimated data. It indicates that the value was determined by some indirect method such as interpolation, extrapolation, estimation from a graph of observed readings, comparison with other streams or by comparison with meteorological data.

R – Revised – indicates that a revision, correction or addition has been made to the historical discharge data base after January 1, 1980.

1. *The summary of monthly and annual mean discharge* gives:

(a) the monthly mean in cubic metres per second for each month for which there is a complete month of daily discharges. Records of daily discharges for partial months, if obtained, are published in annual publications or are available from the Regional Chief;

(b) the annual mean discharge in cubic metres per second if there are daily discharges for the complete year. In some cases a mean discharge is computed for a standard period within the year, say March to October. This is then computed for all the years for which there are daily discharge records from March to October, if there are also records for other months, say January to October, the mean is given for March to October only;

(c) the mean of all the monthly means;

(d) the mean of all the annual or standard period means.

3. Un tableau des valeurs quotidiennes maximale et minimale annuelles;

4. Un tableau des valeurs extrêmes enregistrées pour toute la période d'observation;

5. Un résumé de l'écoulement annuel total en décamètres cubes.

Les symboles normalisés donnés ci-après sont inscrits à côté des débits quotidiens auxquels ils se rapportent. Les symbols ne sont fournis ni avec les débits moyens mensuels, ni avec les débits moyens annuels, mais ils paraissent avec les valeurs appropriées, c'est-à-dire la valeur instantanée maximale annuelle et les valeurs quotidiennes maximale et minimale annuelles:

A – Jauge manuelle – indique qu'on a effectué à une station de jaugeage dotée d'une jauge enregistreuse au moins une observation par jour à l'aide d'une jauge manuelle et qu'on s'en est servi comme moyenne quotidienne pour l'année en question. Toute station peut comporter diverses périodes où les relevés sont effectués soit à partir d'une jauge enregistreuse, soit à l'aide d'une jauge manuelle. Pour obtenir d'autres renseignements sur le genre de jauge qui a servi lors de la période d'observation, il faut consulter l'*Index de référence des données sur les eaux de surface*. Le symbole n'est employé qu'au cours de périodes d'eau libre.

B – Glaces – indique, pour les données portant sur le débit, que la présence de glaces à la station de jaugeage a faussé la relation hauteur-débit.

E – Estimatives – indique une donnée estimative, c'est-à-dire qu'on a déterminé la valeur de façon indirecte, par exemple par interpolation, extrapolation, à l'aide de graphique, ou par comparaison avec d'autres cours d'eau ou avec des données météorologiques.

R – Révisé – indique qu'il y a eu révision, correction ou addition à la base des données chronologiques des débits après le 1er janvier 1980.

1. *L'extrait des moyennes mensuelles et annuelles* (The summary of monthly and annual mean discharges) donne:

(a) la moyenne mensuelle, exprimée en mètres cubes par seconde, des valeurs quotidienne de l'écoulement pour le mois entier. Pour les stations où on n'a mesuré l'écoulement quotidien que pour une partie du mois, les données paraissent dans les publications annuelles ou peuvent être obtenues du chef régional;

(b) la moyenne annuelle, en mètres cubes par seconde, pour les stations où on a obtenu des relevés quotidiens pour une année entière. Dans certains cas, la moyenne est calculée pour une période bien définie de l'année, par exemple pour mars à octobre. On donne donc la moyenne annuelle des relevés quotidiens effectués pour cette même période de l'année. S'il existe des données pour une autre partie de l'année, telle que pour janvier à octobre, la moyenne n'est toujours fournie que pour la période bien définie de mars à octobre;

(c) la moyenne de toutes les moyennes mensuelles;

(d) la moyenne de toutes les moyennes annuelles ou de toutes les moyennes pour une période bien définie.

2. *The annual maximum instantaneous discharge* in cubic metres per second is given for each year if available. This figure is usually available if the station is equipped with a recording gauge. It may also be estimated from high water marks or from a graph of observed water level readings during the day.

3. *The annual maximum and minimum daily discharges* in cubic metres per second are given for each year where daily discharges have been obtained for the entire year (or standard period within the year, e.g. March to October), or where they are considered to be valid for the year even though some daily discharges are missing.

4. *The extreme recorded for the period of record* is identified by an asterisk within the table of annual maximum instantaneous, maximum daily and minimum daily values.

5. *The annual total discharge* in cubic decametres is given for each year where daily discharges have been obtained for the entire year. If a standard period such as March to October has been selected, the figure applies to only those months, similar to the mean discharge in cubic metres per second.

REVISIONS

A number of corrections or revisions have been made to previously published data. Many of these were required because of typographical or computational errors which were exposed when daily discharges were stored on magnetic tape and monthly means were re-calculated by computer. Other errors were discovered or different interpretations of basic data were made during the systematic review of historical streamflow data presently underway, for example, these revisions may have been justified because a more reliable stage-discharge relationship had been developed.

Revisions to daily discharges or daily water levels are not published at present. However, those stations where a systematic review has been conducted are identified in the Surface Water Data Reference Index publication. The Historical Streamflow Summary publications contain revisions to monthly and annual mean discharges, and annual extremes of discharge. The Historical Water Levels Summary publications contain revisions to monthly and annual mean water levels, and annual extremes of water level. Revisions, corrections or additions made to the discharges and water levels after January 1, 1980 are indicated by an "R" symbol in the summary publications. Detailed information on revisions to historical data is available from the appropriate Regional Chief.

2. *Le tableau des valeurs annuelles maximales instantanées* (The annual maximum instantaneous discharge) exprimées en mètres cubes par seconde, est fourni pour toute année où des données sont disponibles. La majorité des stations munies de jauges enregistreuses détiennent ces données. Elles peuvent également être évaluées à partir du niveau des hautes eaux ou d'un graphique illustrant le niveau quotidien.

3. *Le tableau des valeurs quotidiennes minimale et maximale annuelles* (The annual maximum and minimum daily discharges), exprimées en mètres cubes par seconde, donne les valeurs pour les stations où on a fait des relevés quotidiens pour une année entière ou pour une période bien définie de l'année, par exemple pour mars à octobre, ou lorsqu'on considère que les valeurs sont valables pour toute l'année même si quelques débits quotidiens ne sont pas disponibles.

4. *Le tableau des valeurs extrêmes enregistrées pour toute la période d'observation* (The extreme recorded for the period of record) est indiqué par un astérisque et est compris avec les valeurs annuelles maximales instantanées et les valeurs quotidiennes minimale et maximale annuelles.

5. *Le résumé de l'écoulement annuel total* (The annual total discharge), en décamètres cubes, est indiqué pour les stations où on a fait des relevés quotidiens pour une année entière. Si on a choisi une période bien définie de l'année, par exemple de mars à octobre, la valeur n'a trait qu'à ces mois, tout comme la moyenne mensuelle, en mètres cubes par seconde.

RÉVISIONS

On a corrigé ou révisé beaucoup de données déjà publiées. Il a été nécessaire d'effectuer plusieurs corrections, car on a relevé des erreurs typographiques ou de calculs lorsqu'on a enregistré les débits quotidiens sur rubans magnétiques et qu'on a recalculé à l'aide d'ordinateurs les moyennes mensuelles. On a aussi relevé d'autres erreurs ou fait des interprétations différentes de données de base au cours de la révision rétrospective systématique des données de débit qu'on est à faire en ce moment. Ainsi, on peut justifier des corrections, par le fait qu'on ait trouvé une relation hauteur-débit plus sûre.

Les corrections apportées aux débits quotidiens ou aux niveaux d'eau quotidiens ne sont pas publiées, du moins pour le moment. Cependant, les stations où on a effectué une révision systématique sont identifiées dans l'*Index de référence des données sur les eaux de surface*. Les publications intitulées *Sommaire chronologique de l'écoulement* contiennent des données sur les moyennes mensuelles et annuelles des débits et sur les extrêmes annuels des débits qu'on a révisées. Les publications intitulées *Sommaire chronologique des niveaux d'eau* renferment les révisions apportées aux niveaux moyens mensuels et annuels ainsi que les extrêmes annuels. Les révisions et corrections apportées aux débits et aux niveaux d'eau après le 1er janvier 1980 sont accompagnées du symbole «R» dans les publications sommaires. On peut obtenir plus de détails sur les révisions en s'adressant au chef régional concerné.

ACCURACY OF HYDROMETRIC DATA

The overall accuracy or the degree of reliability of hydrometric data referred to herein, depends upon

(1) The type of gauge, stability of gauge, accuracy of observation of stage and measurement of reference datum,

(2) The stability of the stage-discharge relationship; or if the control is unstable, the frequency and accuracy of discharge measurements, and

(3) The computation procedures and interpretation of records.

Because of all these variable factors, the number of significant figures used herein has been standardized for uniformity of presentation and does not reflect the degree of accuracy of the data. The Water Resources Branch standard for storing water level data is to three decimal points (0.001 m), although some contributing agencies provide data to two decimal points (0.01 m).

A measure of the reliability of the records can be made by an examination of the distribution of the symbols A, E and B (for discharge data).

In general, data collected during open-water periods are more reliable than those collected during periods of ice conditions or those obtained by estimation. Further, water level data collected utilizing a water-stage recorder are more reliable and accurate than those using a manual gauge only, especially for small or flashy streams.

MICROFICHE

All published daily discharge, water level and sediment data are available in metric units on microfiche, upon request. The data are stored in station number order by province. There are 270 frames per microfiche at 48X reduction; there is a visible heading showing the fiche number, type of data, province, beginning and ending station number and year of data, and the month/year the fiche was created. The last frame is an index of the contents of that fiche.

EXACTITUDE DES DONNÉES HYDROMÉTRIQUES

La précision totale ou le degré d'exactitude des données hydrométriques dont on parle ici sont basés sur

(1) Le type de jauge, la stabilité de la gauge, la précision des observations sur les niveaux et de la mesure de la donnée de référence,

(2) La stabilité de la relation hauteur-débit ou, si l'élément régulateur est changeant, sur la fréquence et la précision des mesures de débits, et

(3) L'évaluation des procédés et l'interprétation des chiffres.

À cause de toutes les variables déjà mentionnées, on a normalisé pour des fins d'uniformité de présentation le nombre de chiffres significatifs, mais ceci ne réflète pas le degré d'exactitude des données. Dans la Direction des ressources en eau, les normes de cueillette des données sur le niveau des eaux sont de l'ordre de trois décimales (0.001 m), alors que certains organismes dans ce domaine n'exigent que deux décimales (0.01 m).

L'exactitude des données peut être appréciée par l'examen de la répartition des symboles A, E et B (pour les données de débits).

En général, les données recueillies au cours des périodes d'eau libre sont plus sûres que celles qui sont obtenues au cours des périodes de glaces ou par estimation. De plus, les données sur le niveau des eaux qui sont mesurées à l'aide d'un limnigraphe sont plus certaines et plus exactes que celles qui sont mesurées à l'aide d'une jauge manuelle seulement, surtout dans le cas de petits cours d'eau ou de cours d'eau à crues très rapides.

MICROFICHE

Toutes les données publiées concernant les débits quotidiens, les niveaux d'eau et les sédiments sont disponibles sur microfiche en unités métriques aux usagers qui en font la demande. Ces données sont emmagasinées par ordre de numéro de station et par province. Chaque microfiche renferme 270 pages réduites de 48X. L'en-tête indique le numéro de la fiche, le genre de données, la province, le numéro de la première et de la dernière station, celui de la première et de la dernière année de cueillette ainsi que le mois et l'année de préparation de la fiche. La dernière image donne l'index du contenu de la fiche.

STREAMFLOW DATA/DONNÉES SUR L'ÉCOULEMENT

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.038	2.88	2.84	1.29	0.219	0.284	4.48	0.594	---	---	1.57	1978
1979	---	---	0.028	1.35	6.58	5.07	7.88	0.382	0.242	0.201	---	---	2.73	1979
1980	---	---	0.001	1.09	1.12	1.01	1.85	1.88	2.85	0.854	---	---	1.25	1980
1981	---	---	0.255	2.38	2.01	1.34	0.755	0.091	0.071	0.190	---	---	0.880	1981
1982	---	---	0	0.679	3.88	0.479	1.52	2.38	0.182	0.163	---	---	1.17	1982
1983	---	---	0	0.557	0.875	6.75	6.88	0.825	0.555	0.662	---	---	2.12	1983
1984	---	---	0.144	1.75	2.90	2.70	0.653	0.359	1.35	0.518	---	---	1.29	1984
MEAN	---	---	0.066	1.54	2.90	2.88	2.78	0.889	1.36	0.426	---	---	1.57	MEAN

LOCATION - LAT 55 13 05 N DRAINAGE AREA, 138 km²
LONG 115 20 03 W NATURAL FLOW

ADAMS CREEK NEAR KINUSO - STATION NO. 07BJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	51.2 AT 10:00 MST ON SEP 17	43.0 ON SEP 17	0.0088 ON MAR 2	33 300	1978
1979	99.6 AT 14:30 MST ON JUL 1	44.9 ON JUL 1	0.0128 ON MAR 1	57 800	1979
1980	12.5 AT 22:30 MST ON AUG 5	8.75 ON AUG 6	0 B ON MAR 1 *	28 500	1980
1981	13.2 AT 19:00 MST ON APR 24	7.99 ON APR 24	0.0058 ON MAR 1	18 600	1981
1982	26.4 AT 23:50 MST ON AUG 3	17.7 ON AUG 4	0 B ON MAR 1	24 800	1982
1983	100 AT 15:30 MST ON JUN 25 *	54.8 ON JUN 25 *	0 B ON MAR 1	44 900	1983
1984	18.7 AT 16:00 MST ON JUN 7	14.0 ON JUN 7	0.0408 ON MAR 14	27 300	1984
				33 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE - STATION NO. 05AE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	11.4	17.1	17.8	14.0	---	---	---	---	---	1914
1915	---	---	---	---	6.97	8.93	6.42	5.42	6.47	---	---	---	---	1915
1916	---	---	---	---	6.16	5.20	6.52	6.91	4.91	1.12	---	---	5.14	1916
1917	---	---	---	---	---	7.46	12.5	11.8	5.95	---	---	---	---	1917
1918	---	---	---	---	9.21	14.3	15.4	12.4	10.2	---	---	---	---	1918
1919	---	---	---	---	9.59	18.7	15.0	9.16	6.77	---	---	---	---	1919
1920	---	---	---	---	---	14.9	20.2	14.4	13.6	12.8	---	---	---	1920
1921	---	---	---	---	10.5	20.9	23.4	15.9	10.7	---	---	---	---	1921
1922	---	---	---	---	10.5	19.5	19.5	14.5	8.48	4.54	---	---	12.9	1922
1923	---	---	---	---	10.7	12.8	12.8	12.4	13.4	9.14	---	---	11.5	1923
1924	---	---	---	---	13.4	16.0	21.4	14.0	9.94	---	---	---	---	1924
1925	---	---	---	---	---	22.1	19.6	16.7	11.2	---	---	---	---	1925
1926	---	---	---	---	14.2	15.1	12.9	7.98	11.1	---	---	---	---	1926
1927	---	---	---	---	8.22	6.42	10.3	12.5	8.76	4.88	---	---	7.97	1927
1928	---	---	---	---	---	13.3	2.48	7.76	11.5	---	---	---	---	1928
1929	---	---	---	---	---	5.49	12.9	9.02	5.61	---	---	---	---	1929
1930	---	---	---	---	7.90	19.4	19.2	9.81	8.33	---	---	---	---	1930
MEAN	---	---	---	---	9.81	13.9	14.6	11.3	9.28	8.46	---	---	9.45	MEAN

LOCATION - LAT 49 20 02 N
LONG 113 02 42 W REGULATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL AT SPRING COULEE - STATION NO. 05AE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	18.1 ON JUL 1	5.55 ON MAY 1	---	1914
1915	---	10.5 ON JUN 5	---	---	1915
1916	---	10.9 ON MAY 24	0 ON OCT 12 *	81 700	1916
1917	---	14.9 ON JUL 11	---	---	1917
1918	---	18.0 ON JUN 30	---	---	1918
1919	---	21.2 ON SEP 12	---	---	1919
1920	---	24.4E ON JUL 4	---	---	1920
1921	---	27.5 ON JUL 3 *	---	---	1921
1922	---	25.3 ON JUL 8	0 ON OCT 15	204 000	1922
1923	---	18.8 ON MAY 31	0.425E ON OCT 8	168 000	1923
1924	---	27.1 ON JUL 20	---	---	1924
1925	---	24.2 ON JUN 12	---	---	1925
1926	---	18.7 ON JUN 10	---	---	1926
1927	---	14.6 ON AUG 10	0 ON SEP 14	127 000	1927
1928	---	23.3 ON JUN 5	---	---	1928
1929	---	15.3 ON JUN 30	---	---	1929
1930	---	25.2 ON JUL 1	---	---	1930
				150 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL - STATION NO. 05AE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	8.19	17.6	16.2	13.4	11.7	---	---	---	---	1910
1911	---	---	---	---	7.62	---	---	11.0	---	---	---	---	---	1911
1912	---	---	---	---	7.35	14.2	9.33	8.44	8.75	0.285	---	---	---	1912
1913	---	---	---	---	7.41	14.8	8.94	10.8	9.84	2.67	---	---	---	1913
1914	---	---	---	0.534	12.9	19.7	18.9	15.3	10.4	1.80	---	---	11.4	1914
1915	---	---	---	0.551	9.13	8.84	6.28	5.51	6.89	1.89	---	---	5.56	1915
1916	---	---	---	0.391	5.75	5.12	6.96	5.92	4.95	1.00	---	---	4.44	1916
MEAN	---	---	---	0.472	8.34	13.4	11.3	10.2	8.72	1.48	---	---	7.13	MEAN

LOCATION - LAT 49 07 53 N
LONG 113 08 58 W REGULATED

ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL - STATION NO. 05AE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	24.3 ON JUN 20 *	---	---	1910
1911	---	---	---	---	1911
1912	---	14.8 ON JUN 19	0 ON OCT 3 *	---	1912
1913	---	19.3 ON JUN 17	0 ON OCT 10	---	1913
1914	---	20.8 ON JUN 23	0 ON APR 1	210 000	1914
1915	---	10.8 ON MAY 22	0 ON APR 1	103 000	1915
1916	---	9.63 ON MAY 21	0 ON APR 1	82 100	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		132 000	MEAN

ALKALI CREEK NEAR THE MOUTH - STATION NO. 06CK005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0	0	0	0	0	---	---	---	1982
1983	---	---	0.019	0.007	0.001	0	0	0	0	0	---	---	0.003	1983
1984	---	---	0	0.010	0.008	0	0	0	0	0	---	---	0.002	1984
1985	---	---	0.010	5.49	0.018	0.004	0	0	0	0	---	---	0.576	1985
1986	---	---	0.881	0.012	0.008	0.003	0	0	0	0	---	---	0.088	1986
1987	---	---	0.004	0.840	0.019	0.001	0	0	0	0	---	---	0.081	1987
1988	---	---	0.002	0.003	0.002	0.002	0	0	0	0	---	---	0.001	1988
1989	---	---	0	5.78	0.009	0	0	0	0	0	---	---	0.708	1989
1990	---	---	0.086	0.158	0.004	0.001	0.001	0	0	0	---	---	0.031	1990
1991	---	---	0	1.46	0.014	0	0	0	0	0	---	---	0.181	1991
1992	---	---	0.042	0.018	0.014	0	0	0	0	0	---	---	0.008	1992
1993	---	---	0.853	0.027	0.015	0.035	0.001	0	0	0	---	---	0.128	1993
1994	---	---	0	1.86	0.062	0.010	0	0	0	0	---	---	0.212	1994
1995	---	---	0	0.218	0.055	0.018	0.001	0	0	0	---	---	0.038	1995
1996	---	---	0.043	0.103	0.015	0	0	0	0	0	---	---	0.020	1996
1997	---	---	0.003	0.002	0	0	0	0	0	0	---	---	0.001	1997
1998	---	---	0.012	0.042	0.012	0.004	0	0	0	0	---	---	0.008	1998
1999	---	---	0.137	0.023	0.011	0.001	0	0	0	0	---	---	0.022	1999
1980	---	---	0.017	0.007	0	0	0	0	0	0	---	---	0.003	1980
1981	---	---	0.005	0.003	0.002	0.004	0	0	0	0	---	---	0.002	1981
1982	---	---	0.001	0.008	0.008	0.002	0	0	0	0	---	---	0.002	1982
1983	---	---	0.013	0.018	0.012	0	0.027	0	0	0	---	---	0.008	1983
1984	---	---	0.012	0.013	0.001	0.001	0	0	0	0	---	---	0.004	1984
MEAN	---	---	0.082	0.713	0.013	0.003	0.001	0	0	0	---	---	0.101	MEAN

LOCATION - LAT 50 53 54 N DRAINAGE AREA, 590 km^2
LONG 110 30 30 W NATURAL FLOW

ALKALI CREEK NEAR THE MOUTH - STATION NO. 05CK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	0 ON JUN 1 *	---	1962
1963	---	0.0348 ON MAR 22	0 ON MAY 9	73.3	1963
1964	---	0.048 ON MAY 5	0 ON MAR 1	48.1	1964
1965	95.1 AT 13:30 MST ON APR 10 *	30.8 ON APR 10	0E ON MAR 1	14 200	1965
1966	---	3.78 ON MAR 17	0E ON MAR 1	1 830	1966
1967	---	6.09 ON APR 15	0E ON MAR 1	1 720	1967
1968	---	0.014 ON MAY 31	0E ON MAR 1	22.1	1968
1969	42.2 AT 08:30 MST ON APR 10	37.7 ON APR 9 *	0E ON MAR 1	15 600	1969
1970	---	0.9288 ON APR 8	0E ON MAR 1	852	1970
1971	11.1 AT 12:30 MST ON APR 14	8.18 ON APR 14	0E ON MAR 1	3 830	1971
1972	---	0.3688 ON MAR 20	0E ON MAR 1	195	1972
1973	8.85 AT 18:40 MST ON MAR 25	3.82 ON MAR 25	0E ON MAR 1	2 730	1973
1974	9.48 B ON APR 15	8.72 B ON APR 15	0E ON MAR 1	4 480	1974
1975	2.44 AT 15:00 MST ON APR 22	1.44 ON APR 23	0E ON MAR 1	755	1975
1976	1.28 E AT 15:00 MST ON APR 1	0.9718 ON APR 1	0E ON MAR 1	422	1976
1977	---	0.0088 ON MAR 17	0E ON MAR 1	14.8	1977
1978	---	0.0918 ON APR 4	0E ON MAR 1	188	1978
1979	---	0.5808 ON MAR 12	0E ON MAR 1	480	1979
1980	---	0.0778 ON MAR 28	0E ON MAR 1	85.4	1980
1981	0.026 AT 04:30 MST ON JUN 16	0.025 ON JUN 16	0 ON APR 29	42.2	1981
1982	0.015 AT 13:50 MST ON APR 23	0.015 ON APR 23	0E ON MAR 1	44.0	1982
1983	1.28 AT 19:28 MST ON JUL 20	0.218 ON JUL 21	0 ON MAY 27	178	1983
1984	---	0.0348 ON MAR 24	0E ON MAR 1	74.6	1984
				2 140	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.008	0	0	0	0	---	---	---	1975
1976	---	---	0.280	0.826	0.007	0	0.007	0	0	0	---	---	0.111	1976
1977	---	---	0	0.008	0.183	0.089	0	0	0	0	---	---	0.030	1977
1978	---	---	0.245	0.489	0.001	0.013	0	0	0.703	0.048	---	---	0.186	1978
1979	---	---	2.28	1.45	0.117	0.026	0.025	0.007	0	0	---	---	0.487	1979
1980	---	---	0	1.74	0.058	0	0	0	0	0	---	---	0.221	1980
1981	---	---	1.07	0.251	0.049	0.012	0	0	0	0	---	---	0.173	1981
1982	---	---	0	0.777	0.088	0	1.20	0.007	0.004	0	---	---	0.257	1982
1983	---	---	0	1.43	0.010	0.807	1.84	0	0	0	---	---	0.508	1983
1984	---	---	0.147	0.080	0.012	0.088	0.047	0.008	0.008	0.014	---	---	0.050	1984
MEAN	---	---	0.442	0.781	0.054	0.103	0.312	0.002	0.071	0.008	---	---	0.226	MEAN

LOCATION - LAT 53 16 35 N
LONG 112 33 10 W
DRAINAGE AREA, 377 km^2
NATURAL FLOW

AMISK CREEK NEAR SHONTS - STATION NO. 05EB016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON JUN 21 *	---	1975
1976	---	2.83 B ON MAR 31	0E ON MAR 1	2 280	1976
1977	0.881 AT 01:00 MST ON MAY 20	0.828 ON MAY 20	0E ON MAR 1	633	1977
1978	3.40 B AT 16:20 MST ON MAR 28	2.88 ON SEP 18	0E ON MAR 1	3 810	1978
1979	12.2 AT 23:50 MST ON MAR 18	11.4 ON MAR 18	0 ON MAR 1	10 300	1979
1980	13.8 AT 22:50 MST ON APR 13 *	12.3 ON APR 14 *	0E ON MAR 1	4 880	1980
1981	7.27 AT 00:50 MST ON MAR 16	5.98 B ON MAR 16	0E ON MAR 1	3 880	1981
1982	6.45 AT 15:17 MST ON APR 23	5.84 ON JUL 6	0E ON MAR 1	5 450	1982
1983	---	8.29 ON APR 7	0E ON MAR 1	10 700	1983
1984	---	0.6298 ON MAR 28	0E ON MAR 1	1 080	1984
				4 780	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 06AA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	1.37	24.3	18.8	12.7	30.0	8.43	3.70	2.06	---	---	12.7	1971
1972	---	---	0.783	8.68	18.8	3.87	1.48	0.889	0.887	0.838	---	---	4.28	1972
1973	---	---	0.084	1.78	1.74	8.86	2.78	3.73	3.18	1.88	---	---	3.08	1973
1974	---	---	0.878	23.6	32.7	10.8	8.37	3.81	2.28	1.75	---	---	10.8	1974
1975	---	---	0.782	8.38	7.48	4.23	11.3	3.88	12.4	3.22	---	---	8.08	1975
1976	---	---	1.00	8.34	2.73	1.47	8.38	0.728	0.883	0.340	---	---	2.58	1976
1977	---	---	0.387	4.83	8.80	4.81	1.43	2.00	2.35	8.17	---	---	4.00	1977
1978	---	---	0.648	8.02	8.80	28.2	4.28	1.88	13.8	8.08	---	---	8.83	1978
1979	---	---	2.82	11.3	31.7	12.8	11.8	8.87	3.08	1.38	---	---	8.78	1979
1980	---	---	0.618	4.84	1.04	0.885	0.444	2.82	2.48	2.21	---	---	1.82	1980
1981	---	---	2.18	4.87	1.78	1.11	2.38	0.804	0.288	0.083	---	---	1.88	1981
1982	---	---	0	2.38	1.88	0.247	0.114	0.028	0.001	0	---	---	0.578	1982
1983	---	---	0.010	1.03	0.472	1.11	8.88	3.80	2.18	1.20	0.828	---	1.88	1983
1984	---	---	0.788	3.04	2.01	11.1	1.38	0.107	0.174	0.773	---	---	2.38	1984
MEAN	---	---	0.874	8.03	8.13	7.08	8.28	2.72	3.41	2.20	0.828	---	4.08	MEAN

LOCATION - LAT 54 28 20 N
LONG 112 01 00 W
DRAINAGE AREA, 2 510 km^2
NATURAL FLOW

AMISK RIVER AT HIGHWAY NO. 36 - STATION NO. 06AA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	60.6 ON APR 24 *	1.27 B ON MAR 14	288 000	1971
1972	24.6 AT 11:40 MST ON MAY 3	24.6 ON MAY 3	0.450A ON OCT 31	80 600	1972
1973	25.5 AT 17:48 MST ON JUN 18	25.3 ON JUN 18	0.028B ON MAR 1	65 100	1973
1974	51.3 AT 01:30 MST ON APR 24	51.3 ON APR 24	0.783B ON MAR 23	224 000	1974
1975	22.7 AT 18:30 MST ON SEP 4	22.6 ON SEP 4	0.722B ON MAR 12	128 000	1975
1976	15.4 AT 00:00 MST ON APR 11	14.1 ON APR 11	0.178 ON OCT 9	54 800	1976
1977	16.1 AT 07:00 MST ON MAY 20	16.0 ON MAY 20	0.256 ON SEP 20	84 800	1977
1978	52.4 AT 05:20 MST ON JUN 1 *	52.1 ON JUN 1	0.102B ON MAR 8	187 000	1978
1979	34.9 AT 04:10 MST ON MAY 2	34.8 ON MAY 2	0.974 ON OCT 24	185 000	1979
1980	---	7.13E ON APR 11	0.050E ON AUG 2	36 500	1980
1981	8.68B AT 02:00 MST ON APR 1	8.21B ON APR 1	0.049 ON OCT 20	35 800	1981
1982	---	7.40B ON APR 24	0 B ON MAR 1 *	12 200	1982
1983	12.8 AT 21:01 MST ON JUL 23	12.4 ON JUL 23	0 B ON MAR 1	41 500	1983
1984	16.4 AT 22:19 MST ON JUN 8	16.3 ON JUN 9	0.005E ON AUG 31	50 400	1984
				105 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.425	0.454	0.822	0.482	0.358	0.352	---	---	0.445	1959
1960	---	---	---	---	0.374	1.21	0.722	0.851	1.17	0.874	---	---	0.831	1960
1961	---	---	---	---	0.313	0.588	0.493	0.272	0.318	0.138	---	---	0.363	1961
1962	---	---	---	0.188	0.388	0.388	0.381	0.254	0.151	0.052	---	---	0.270	1962
1963	---	---	---	---	0.321	0.184	0.152	0.120	0.121	0.133	---	---	0.170	1963
1964	---	---	---	---	0.113	0.548	0.188	0.187	0.052	0.031	---	---	0.185	1964
1965	---	---	---	---	0.057	0.315	0.083	0.073	0.002	0.087	---	---	0.102	1965
1966	---	---	---	---	0.219	0.414	0.157	0.057	0.056	0.075	---	---	0.162	1966
1967	---	---	---	---	0.011	0.317	0.472	0.155	0.101	0.272	---	---	0.221	1967
1968	---	---	---	---	0.442	0.362	0.361	0.056	0.184	0.220	---	---	0.288	1968
1969	---	---	---	---	0.113	0.405	0.922	0.136	0.084	0.098	---	---	0.293	1969
1970	---	---	---	---	0.110	0.238	0.132	0.309	0.201	0.133	---	---	0.187	1970
1971	---	---	---	---	0.236	0.365	0.178	0.388	0.882	0.143	---	---	0.330	1971
1972	---	---	---	---	---	---	0.183	0.553	0.298	0.115	---	---	---	1972
1973	---	---	---	---	0.628	0.250	0.347	0.231	0.047	0.024	---	---	0.255	1973
1974	---	---	---	---	0.090	0.394	0.187	0.050	0.014	0.005	0	---	0.117	1974
1975	---	---	---	---	0.081	0.291	0.894	0.303	0.044	0.182	---	---	0.285	1975
1976	---	---	---	---	0.135	0.024	0.018	0.122	0.072	0.006	---	---	0.063	1976
1977	---	---	---	---	0.084	0.089	0.008	0.047	0.891	0.081	---	---	0.184	1977
1978	---	---	---	---	0.028	0.070	0.783	0.483	0.101	0.054	---	---	0.253	1978
1979	---	---	---	---	0.080	0.210	0.184	0.315	0.195	2.06	---	---	0.505	1979
1980	---	---	---	---	0.283	0.088	0.255	1.03	0.291	0.051	---	---	0.336	1980
1981	---	---	---	---	0.274	0.098	0.091	0.185	0.104	1.22	0.888	---	0.331	1981
1982	---	---	---	---	0.145	0.168	0.194	0.155	0.131	0.096	---	---	0.148	1982
1983	---	---	---	---	0.107	0.141	0.151	0.231	0.102	0.494	---	---	0.205	1983
1984	---	---	---	---	0.152	0.124	0.214	0.177	0.104	0.050	---	---	0.139	1984
MEAN	---	---	---	0.188	0.208	0.308	0.313	0.277	0.225	0.263	0.343	---	0.265	MEAN

LOCATION - LAT 50 27 20 N
LONG 112 09 40 W
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

ANTELOPE COULEE SPILLWAY - STATION NO. 05BN010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	3.45 ON JUL 9	0.198 ON SEP 7	7 090	1959
1960	---	6.40 ON JUN 13 *	0.184 ON MAY 5	13 200	1960
1961	---	4.47 ON JUN 14	0.011 ON OCT 20	5 610	1961
1962	---	2.07 ON MAY 10	0 ON MAY 18 *	4 290	1962
1963	---	3.23 ON OCT 1	0 ON SEP 1	2 710	1963
1964	---	2.24 ON JUN 1	0 ON OCT 29	2 940	1964
1965	---	2.07 ON JUN 15	0 E ON MAY 1	1 620	1965
1966	---	3.08 A ON JUN 14	0 ON SEP 10	2 580	1966
1967	---	2.03 ON JUL 5	0 E ON MAY 1	3 520	1967
1968	---	3.14 ON OCT 11	0.018 ON OCT 30	4 260	1968
1969	---	4.42 ON JUL 4	0.001 ON MAY 11	4 870	1969
1970	---	1.77 ON JUN 13	0 ON MAY 4	2 870	1970
1971	---	1.76 ON SEP 18	0.003E ON MAY 1	5 260	1971
1972	---	---	---	---	1972
1973	---	3.31 ON MAY 28	0.007 ON MAY 1	4 080	1973
1974	---	2.67 ON JUN 27	0 ON OCT 23	1 870	1974
1975	---	2.72 ON JUL 4	0 ON AUG 12	4 220	1975
1976	---	1.38 ON MAY 20	0 ON JUL 21	899	1976
1977	---	1.98 ON SEP 26	0.001 ON JUL 18	3 080	1977
1978	---	2.69 ON AUG 23	0.003 ON OCT 27	4 020	1978
1979	---	4.13 ON OCT 3	0.018 ON OCT 31	8 020	1979
1980	---	3.28 ON AUG 8	0.004 ON OCT 19	5 350	1980
1981	---	6.38 ON OCT 31	0.051 ON MAY 5	5 260	1981
1982	---	0.801E ON JUL 26	0.038 ON MAY 1	2 350	1982
1983	---	1.72 ON OCT 21	0.031A ON OCT 31	3 280	1983
1984	---	0.989 ON MAY 29	0.020B ON OCT 31	2 210	1984
				4 220	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ARCADIA CREEK NEAR ARCADIA - STATION NO. 07BH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	4.85	0.392	0.170	0.067	0.007	---	---	---	---	1922
MEAN	---	---	---	---	4.85	0.392	0.170	0.067	0.007	---	---	---	---	MEAN

LOCATION - LAT 55 23 58 N LONG 116 07 39 W DRAINAGE AREA, 177 km^2 NATURAL FLOW

ASPHALT CREEK NEAR FORT MACKAY - STATION NO. 07DA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	1.18	0.857	---	---	---	---	1975
1976	0.001	0	0	0.888	0.303	0.383	0.863	0.336	0.173	0.518	0.085	0	0.302	1976
1977	0	0	0	0.247	0.891	0.479	0.984	0.205	0.214	0.476	0.098	0	0.302	1977
MEAN	0.001	0	0	0.558	0.597	0.421	0.974	0.577	0.415	0.497	0.092	0	0.302	MEAN

LOCATION - LAT 57 32 20 N LONG 111 40 36 W DRAINAGE AREA, 148 km^2 NATURAL FLOW

ASPHALT CREEK NEAR FORT MACKAY - STATION NO. 07DA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	3.608 ON APR 13 *	0B ON JAN 7 *	9 540	1976
1977	2.72 AT 20:12 MST ON JUL 4 *	2.54 ON JUL 5	0B ON JAN 1	9 540	1977
				9 540	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	383	949	1 040	891	469	252	---	---	---	1913
1914	90.6	82.1	89.5	131	374	1 590	1 170	548	382	356	186	90.1	428	1914
1915	104	91.6	115	329	371	1 150	1 660	832	426	283	155	94.6	487	1915
1916	74.8	71.6	74.5	209	389	788	1 280	855	439	288	184	83.0	377	1916
1917	80.0	84.3	81.9	212	1 260	1 120	834	491	348	314	170	95.9	423	1917
1918	108	88.5	88.0	289	404	1 050	974	523	333	212	125	82.3	387	1918
1919	70.7	66.3	57.0	185	266	681	845	579	542	234	148	100	288	1919
1920	85.7	82.0	79.2	127	1 450	1 230	1 210	851	512	395	175	101	527	1920
1921	113	119	123	350	804	1 080	853	682	412	301	228	105	431	1921
1922	75.3	77.4	80.7	141	539	681	807	561	403	258	139	59.6	302	1922
1923	58.7	49.4	51.8	181	437	1 020	1 020	704	493	344	245	143	387	1923
1924	85.2	87.9	81.2	109	809	708	766	853	751	403	233	89.8	414	1924
1925	54.2	55.7	84.4	926	690	832	712	874	707	420	221	177	489	1925
1926	156	130	135	431	485	717	697	470	667	446	270	144	395	1926
1927	104	104	117	289	769	1 140	1 410	715	568	390	197	119	497	1927
1928	113	96.6	123	290	723	1 260	1 270	855	412	286	183	147	483	1928
1929	88.2	78.8	100	215	648	809	654	547	378	346	188	83.2	348	1929
1930	80.6	87.0	75.8	305	641	1 190	977	831	458	252	214	184	421	1930
1931	118	111	129	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	---	---	374	818	726	585	511	192	---	---	---	1938
1939	---	---	---	---	418	526	746	467	237	234	---	---	---	1939
1940	---	---	---	---	861	867	804	514	397	249	---	---	---	1940
1941	---	---	---	---	---	---	829	585	405	340	---	---	---	1941
1942	---	---	---	---	338	1 130	1 050	707	603	298	---	---	---	1942
1943	---	---	---	---	438	1 120	1 100	676	353	212	---	---	---	1943
1944	---	---	---	---	582	2 250	1 120	700	472	302	---	---	---	1944
1945	---	---	---	---	411	629	516	489	271	278	---	---	---	1945
1946	---	---	---	---	387	1 100	783	486	315	163	---	---	---	1946
1947	---	---	---	---	722	905	795	789	538	354	---	---	---	1947
1948	---	---	---	---	2 500	1 250	969	1 040	635	358	---	---	---	1948
1949	---	---	---	---	355	556	807	668	347	184	---	---	---	1949
1950	---	---	---	---	575	889	909	562	339	188	---	---	---	1950
1951	---	---	---	---	1 100	688	873	840	372	221	152	98.2	---	1951
1952	74.6	74.3	72.5	510	429	1 170	1 060	803	370	282	145	84.8	402	1952
1953	59.8	58.8	81.2	185	785	1 150	923	1 010	707	283	176	89.8	483	1953
1954	87.7	89.7	89.2	108	1 280	2 280	1 260	1 280	1 390	501	277	203	740	1954
1955	90.3	77.4	77.6	331	889	1 280	1 090	837	358	224	98.1	98.1	422	1955
1956	98.5	88.1	81.3	534	888	1 180	747	861	381	248	108	87.2	405	1956
1957	58.2	86.3	90.8	241	784	878	685	727	492	387	308	174	390	1957
1958	137	131	126	514	746	840	937	438	322	214	108	88.8	385	1958
1959	87.7	86.2	79.8	185	389	922	861	486	478	308	124	120	340	1959
1960	78.8	67.8	72.8	219	520	982	1 240	530	309	222	140	80.1	371	1960
1961	75.5	69.7	81.3	186	407	827	769	571	288	289	177	103	323	1961
1962	94.4	76.0	66.0	495	959	1 020	855	704	467	271	178	110	452	1962
1963	105	98.1	101	523	927	898	744	531	412	280	122	120	413	1963
1964	86.3	85.5	70.0	134	807	987	918	783	678	580	243	184	444	1964
1965	138	115	123	419	1 100	1 530	2 010	933	782	512	271	184	678	1965
1966	125	123	94.1	214	850	908	986	957	631	328	208	172	468	1966
1967	126	99.7	98.7	214	697	1 180	748	550	383	248	136	79.2	378	1967
1968	80.4	89.4	94.4	130	380	782	849	686	419	245	121	70.9	325	1968
1969	56.9	58.9	64.1	395	478	858	709	999	524	360	180	128	386	1969
1970	89.1	78.4	80.5	380	516	878	818	493	292	210	129	86.8	337	1970
1971	72.6	73.5	77.2	441	852	1 540	2 130	792	454	375	200	126	582	1971
1972	104	89.3	101	371	1 080	1 640	1 130	729	489	443	233	125	542	1972
1973	134	133	116	377	867	1 080	784	837	380	339	159	134	429	1973
1974	110	113	104	973	1 550	1 010	1 180	665	484	323	199	124	572	1974
1975	109	102	105	235	529	873	1 110	537	452	253	202	129	372	1975
1976	125	120	97.3	426	463	599	889	1 030	642	340	174	98.8	420	1976
1977	119	137	129	361	1 080	1 380	1 110	867	737	476	226	149	567	1977
1978	122	104	134	369	696	1 250	1 160	679	997	511	209	141	533	1978
1979	107	96.3	152	324	857	1 110	1 340	859	389	271	180	98.4	487	1979
1980	105	92.3	108	410	490	1 720	1 040	849	580	398	225	142	496	1980
1981	135	110	143	352	596	798	693	670	348	187	149	87.4	355	1981
1982	83.4	87.0	88.9	225	755	871	1 730	896	605	435	222	255	520	1982
1983	117	85.7	88.1	231	308	729	1 290	855	339	236	233	124	372	1983
1984	117	124	116	254	436	955	791	508	595	445	281	178	400	1984
MEAN	95.4	89.7	95.1	322	690	1 030	990	885	487	311	186	119	438	MEAN

LOCATION - LAT 54 43 20 N DRAINAGE AREA, 74 600 km²
LONG 113 17 10 W NATURAL FLOW

ATHABASCA RIVER AT ATHABASCA - STATION NO. 07BE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	1 870 ON JUL 8	---	---	1913
1914	---	3 090 ON JUN 10	78.58 ON DEC 28	13 400 000	1914
1915	---	2 780 ON JUN 30	81.08 ON FEB 22	14 700 000	1915
1916	---	2 080 ON JUL 7	83.48 ON FEB 2	11 900 000	1916
1917	---	2 490 ON MAY 24	56.68 ON FEB 20	13 400 000	1917
1918	---	1 470 ON JUN 18	70.88 ON DEC 31	11 300 000	1918
1919	---	1 030 ON JUN 28	51.58 ON MAR 6	8 420 000	1919
1920	---	2 500 ON MAY 11	70.28 ON MAR 18	18 700 000	1920
1921	---	1 480 ON JUN 11	71.48 ON DEC 29	13 600 000	1921
1922	940 AT 09:00 MST ON JUN 8	923 ON JUN 8	52.18 ON DEC 8	8 500 000	1922
1923	1 910 AT 08:00 MST ON JUN 17	1 870 ON JUN 17	47.08 ON FEB 13	12 500 000	1923
1924	1 580 AT 08:00 MST ON SEP 1	1 550 ON SEP 1	47.98 ON DEC 25	13 100 000	1924
1925	---	1 900 ON AUG 19	47.98 ON FEB 7	15 400 000	1925
1926	---	1 470 ON SEP 5	103 8 ON DEC 28	12 500 000	1926
1927	---	2 230 ON JUN 27	97.78 ON DEC 31	15 700 000	1927
1928	2 240 AT 19:00 MST ON JUN 19	2 200 ON JUN 19	95.48 ON JAN 28	14 600 000	1928
1929	---	1 150 ON JUN 13	69.78 ON DEC 21	10 900 000	1929
1930	---	1 780 ON JUN 15	55.58 ON JAN 21	13 300 000	1930
1931	---	---	---	---	1931
1938	---	1 080 ON JUN 18	---	---	1938
1939	---	1 250 ON JUL 20	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	---	1 700 ON JUL 21	---	---	1942
1943	---	2 080 ON JUN 27	---	---	1943
1944	5 040 AT 18:30 MST ON JUN 18	4 810 ON JUN 18	---	---	1944
1945	---	851 ON JUN 3	---	---	1945
1946	---	1 630 ON JUN 1	---	---	1946
1947	2 080 AT 23:00 MST ON AUG 1	2 000 ON AUG 1	---	---	1947
1948	---	3 850 ON MAY 17	---	---	1948
1949	---	1 030 ON JUL 24	---	---	1949
1950	1 630 AT 14:00 MST ON JUN 18	1 570 ON JUN 18	---	---	1950
1951	---	1 800 ON MAY 8	---	---	1951
1952	2 460 AT 10:30 MST ON JUN 28	2 430 ON JUN 28	42.68 ON DEC 8	12 700 000	1952
1953	---	1 830 ON AUG 29	42.28 ON JAN 18 *	14 800 000	1953
1954	5 680 AT 14:30 MST ON JUN 10 *	5 440 ON JUN 10 *	65.18 ON JAN 30	23 300 000	1954
1955	2 350 AT 17:00 MST ON JUN 3	2 230 ON JUN 4	55.58 ON MAR 4	13 300 000	1955
1956	1 610 AT 20:15 MST ON JUN 8	1 720 ON JUN 9	45.68 ON DEC 14	12 800 000	1956
1957	1 170 AT 17:00 MST ON AUG 14	1 150 ON AUG 14	49.68 ON JAN 18	12 300 000	1957
1958	2 400 AT 23:00 MST ON JUL 1	2 270 ON JUL 2	61.78 ON NOV 18	12 100 000	1958
1959	1 780 AT 09:00 MST ON JUN 30	1 720 ON JUN 30	61.48 ON JAN 13	10 700 000	1959
1960	2 680 AT 20:00 MST ON JUN 28	2 610 ON JUN 28	58.38 ON MAR 10	11 700 000	1960
1961	1 150 AT 20:00 MST ON JUL 3	1 080 ON JUL 3	62.08 ON FEB 7	10 200 000	1961
1962	1 640 AT 21:00 MST ON MAY 22	1 550 ON MAY 22	62.68 ON MAR 11	14 200 000	1962
1963	1 610 AT 03:00 MST ON APR 29	1 550 ON APR 29	61.08 ON NOV 20	13 000 000	1963
1964	1 630 AT 07:00 MST ON JUN 22	1 600 ON JUN 22	64.68 ON MAR 31	14 100 000	1964
1965	3 680 AT 20:00 MST ON JUN 30	3 510 ON JUN 30	98.88 ON APR 3	21 400 000	1965
1966	1 780 AT 13:00 MST ON AUG 31	1 740 ON AUG 31	77.88 ON MAR 29	14 800 000	1966
1967	1 680 AT 09:00 MST ON JUN 21	1 630 ON JUN 21	59.58 ON DEC 31	12 000 000	1967
1968	1 290 AT 20:55 MST ON JUN 15	1 280 ON JUN 15	61.08 ON JAN 1	10 300 000	1968
1969	3 110 AT 16:47 MST ON AUG 9	3 000 ON AUG 9	66.28 ON JAN 15	12 200 000	1969
1970	1 630 AT 15:54 MST ON JUN 19	1 530 ON JUN 19	62.38 ON NOV 23	10 800 000	1970
1971	4 580A AT 08:00 MST ON JUL 14	4 470A ON JUL 14	89.48 ON JAN 27	18 400 000	1971
1972	3 540 AT 21:30 MST ON JUN 28	3 370 ON JUN 28	68.18 ON FEB 23	17 100 000	1972
1973	1 890A AT 02:30 MST ON JUN 28	1 840A ON JUN 28	110 9 ON MAR 13	13 800 000	1973
1974	2 550 AT 02:40 MST ON APR 28	2 520 ON APR 28	92.6 ON NOV 25	18 000 000	1974
1975	1 680 AT 19:30 MST ON JUN 30	1 780 ON JUN 30	95.08 ON FEB 12	11 700 000	1975
1976	1 680 AT 08:30 MST ON AUG 20	1 630 ON AUG 20	87.88 ON MAR 16	13 200 000	1976
1977	2 380 AT 12:45 MST ON JUN 1	2 340 ON JUN 1	85.08 ON NOV 22	17 900 000	1977
1978	2 350 AT 05:00 MST ON JUL 15	2 290 ON JUL 15	94.08 ON FEB 8	16 800 000	1978
1979	2 320 AT 00:00 MST ON JUL 15	2 230 ON JUL 15	81.58 ON DEC 20	14 700 000	1979
1980	4 830 AT 15:45 MST ON JUN 8	4 180 ON JUN 8	85.38 ON DEC 11	15 700 000	1980
1981	1 270 AT 13:05 MST ON JUN 3	1 240 ON JUN 3	55.88 ON DEC 17	11 200 000	1981
1982	3 490 AT 12:38 MST ON JUL 8	3 420 ON JUL 8	58.08 ON JAN 10	18 400 000	1982
1983	1 690 AT 08:21 MST ON JUN 28	1 650 ON JUN 28	84.08 ON FEB 13	11 700 000	1983
1984	1 410 AT 08:38 MST ON JUL 3	1 380 ON JUL 3	70.7 ON NOV 2	12 700 000	1984
				13 700 000	MEAN

A - MANUAL GAUGE
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	1 200	1 700	2 780	1 180	864	536	326	199	---	1971
1972	143	134	212	450	1 870	1 770	1 630	928	550	576	401	197	749	1972
1973	237	200	181	691	1 230	2 080	1 500	1 360	813	780	470	322	813	1973
1974	288	240	220	---	---	---	---	1 110	826	584	378	287	---	1974
1975	229	198	218	438	1 230	1 150	2 080	1 130	1 310	727	451	276	788	1975
1976	243	218	182	1 050	867	823	1 380	1 360	1 380	785	---	---	---	1976
1977	---	---	---	719	1 420	1 880	1 650	1 180	1 000	783	381	---	---	1977
1978	---	---	---	487	1 240	1 640	1 380	898	1 780	1 210	880	---	---	1978
1979	---	---	---	---	---	1 780	1 800	1 070	884	663	---	---	---	1979
1980	---	---	---	---	711	1 770	1 340	1 280	1 100	688	---	---	---	1980
1981	---	---	---	---	628	1 170	948	804	630	378	---	---	---	1981
1982	---	---	---	---	1 270	1 100	1 880	1 180	876	678	---	---	---	1982
1983	---	---	---	---	721	889	1 730	1 220	883	628	---	---	---	1983
1984	---	---	---	---	840	1 880	1 270	846	858	818	---	---	---	1984
MEAN	224	198	202	817	1 110	1 510	1 640	1 130	843	710	427	250	783	MEAN

LOCATION - LAT 58 12 18 N
LONG 111 23 24 W
DRAINAGE AREA, 155 000 km^2
NATURAL FLOW

ATHABASCA RIVER AT EMBARRAS AIRPORT - STATION NO. 07DD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	4 220 AT 21:00 MST ON JUL 17 *	4 190 ON JUL 17 *	---	---	1971
1972	---	3 260 ON JUL 2	1238 ON FEB 5 *	23 700 000	1972
1973	2 710 AT 18:00 MST ON JUN 21	2 690 ON JUN 21	1708 ON FEB 27	25 700 000	1973
1974	---	---	---	---	1974
1975	3 730 AT 24:00 MST ON JUL 3	2 700 ON JUL 4	1858 ON FEB 10	24 900 000	1975
1976	---	2 150B ON APR 20	---	---	1976
1977	2 890 AT 02:15 MST ON JUN 5	2 880 ON JUN 5	---	---	1977
1978	2 380 AT 02:14 MST ON SEP 22	2 380 ON SEP 22	---	---	1978
1979	3 720 AT 19:15 MST ON JUL 17	2 610 ON JUL 17	---	---	1979
1980	---	3 800E ON JUN 11	---	---	1980
1981	---	1 500E ON JUN 9	---	---	1981
1982	3 250 AT 15:20 MST ON JUL 11	3 210 ON JUL 11	---	---	1982
1983	2 350 AT 16:30 MST ON AUG 1	2 310 ON AUG 1	---	---	1983
1984	2 670 AT 00:32 MST ON JUN 12	2 550 ON JUN 11	---	---	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 800 000	MEAN

ATHABASCA RIVER AT ENTRANCE - STATION NO. 07AD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	201	454	588	505	201	89.7	88.2	33.2	---	1915
1916	24.4	25.7	31.0	42.7	104	526	620	425	272	147	87.2	38.7	194	1916
1917	35.0	27.8	29.1	36.5	172	454	853	337	251	199	84.7	58.0	184	1917
1918	48.6	37.3	48.4	61.1	161	681	857	421	266	111	80.5	30.0	215	1918
1919	30.0	29.5	32.8	39.8	151	379	487	418	302	114	52.9	35.0	172	1919
1920	28.5	30.1	27.9	34.0	90.2	358	883	529	215	136	52.9	38.8	203	1920
1921	36.5	44.0	34.2	50.3	193	525	446	382	178	122	89.7	---	---	1921
1922	---	---	---	---	---	489	447	417	238	100	54.0	---	---	1922
1923	---	---	---	---	126	522	488	430	277	113	82.7	42.1	---	1923
1924	27.5	28.3	34.6	35.4	234	487	554	440	337	141	80.8	26.1	199	1924
1925	22.3	26.0	36.2	84.2	311	649	524	505	310	120	58.5	52.1	219	1925
1926	30.6	32.9	40.8	81.8	202	357	475	319	259	128	84.2	32.8	170	1926
1927	25.3	27.2	35.3	43.4	86.8	526	512	405	254	150	44.4	28.4	179	1927
1928	40.3	28.9	43.4	46.9	307	577	801	373	216	85.3	48.3	29.8	201	1928
1929	29.3	26.2	32.8	36.5	135	564	397	341	202	118	84.8	41.8	167	1929
1930	27.4	27.1	29.7	61.7	164	560	592	427	272	98.9	59.8	36.8	199	1930
1931	37.7	27.8	31.4	36.1	198	499	542	317	237	134	87.4	28.5	179	1931
1932	23.9	28.5	25.8	60.0	172	615	437	411	200	82.1	38.1	24.5	177	1932
1933	21.7	19.8	20.8	36.7	148	532	586	459	326	154	100	81.8	205	1933
1934	28.7	22.5	31.9	141	372	904	482	348	184	148	76.6	40.8	198	1934
1935	35.8	46.4	34.3	59.2	127	505	881	381	274	93.2	46.1	43.7	198	1935
1936	28.1	11.8	14.7	72.7	274	536	384	331	156	137	89.9	43.3	170	1936
1937	18.3	13.1	31.2	22.8	150	433	517	322	225	78.4	54.1	47.3	160	1937
1938	38.0	24.0	18.5	30.5	208	683	559	303	276	117	83.7	57.5	187	1938
1939	30.5	19.3	47.8	38.8	258	347	471	358	200	124	87.9	55.3	189	1939
1955	---	---	---	---	114	589	605	338	194	83.1	37.8	34.0	---	1955
1956	32.8	29.1	28.5	57.0	252	550	450	317	198	117	57.0	30.4	177	1956
1957	27.1	35.6	34.8	38.7	389	429	355	268	216	105	63.8	33.7	184	1957
1958	31.8	28.7	27.0	39.8	304	583	431	317	201	115	64.9	38.2	179	1958
1959	30.0	21.6	34.6	41.8	180	587	555	334	274	126	54.8	55.4	192	1959
1960	35.1	39.9	34.9	38.3	121	481	684	370	212	130	82.0	50.9	190	1960
1961	23.4	19.7	28.9	31.2	217	595	422	380	186	---	---	---	---	1961
MEAN	30.3	27.8	32.1	50.6	197	513	531	381	236	120	69.9	40.1	187	MEAN

LOCATION - LAT 53 22 37 N DRAINAGE AREA, 9 530 km^2
LONG 117 41 42 W NATURAL FLOW

ATHABASCA RIVER AT ENTRANCE - STATION NO. 07AD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	1 140 ON JUN 28	---	---	1916
1917	---	1 150 ON JUN 21	21 5 B ON JAN 1	5 140 000	1917
1918	---	940 ON JUL 4	23 9 B ON FEB 23	5 130 000	1918
1919	---	891 ON JUN 15	28 9 B ON FEB 15	5 780 000	1919
		790 ON JUN 23	28.1 B ON JAN 15	5 420 000	
1920	---	894 ON JUL 10	19 8 B ON APR 15	6 430 000	1920
1921	---	784 ON JUN 9	25 5 B ON JAN 15	---	1921
1922	---	778 ON JUN 5	---	---	1922
1923	---	867 ON JUN 14	---	---	1923
1924	---	906 ON JUL 5	21 0 B ON DEC 23	5 260 000	1924
1925	---	784 ON JUL 1	21 2 B ON JAN 1	5 850 000	1925
1926	---	891 ON JUL 8	26 9 B ON APR 4	5 370 000	1926
1927	---	722 ON JUN 11	20 6 B ON DEC 30	5 640 000	1927
1928	---	820 ON MAY 28	20 6 B ON JAN 1	5 350 000	1928
1929	---	881 ON JUN 10	20.2 B ON JAN 31	5 250 000	1929
1930	---	891 ON JUN 12	17 4 B ON DEC 22	5 280 000	1930
1931	---	917 ON JUN 20	17 4 B ON FEB 24	5 850 000	1931
1932	---	863 ON JUN 16	21 0 B ON JAN 1	5 590 000	1932
1933	---	1 170 ON JUN 17	18 2 B ON FEB 6	6 470 000	1933
1934	---	877 ON MAY 31	19 1 B ON MAR 8	5 240 000	1934
1935	---	886 ON JUL 3	18.7 B ON JAN 17	5 170 000	1935
1936	---	1 270 ON JUN 2 *	8 550 ON FEB 26	5 390 000	1936
1937	---	742 ON JUL 1	7 08 ON APR 26 *	5 040 000	1937
1938	---	1 070 ON JUN 25	17 0 B ON MAR 26	5 230 000	1938
1939	---	885 ON JUL 2	18 1 B ON JAN 31	5 340 000	1939
1940	---	1 090 ON JUN 14	---	---	1940
1941	---	799 ON JUN 6	17 4 B ON MAR 30	5 810 000	1941
1942	---	823 ON MAY 21	18 1 B ON JAN 11	5 180 000	1942
1943	---	776 ON MAY 31	17.3 B ON FEB 1	5 840 000	1943
1944	---	866 ON JUN 23	16 1 B ON JAN 24	6 080 000	1944
1945	---	1 030 ON JUL 2	26.0 B ON MAR 15	6 010 000	1945
1946	---	892 ON JUN 8	12.2 B ON JAN 15	---	1946
				5 810 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	31.9	215	574	402	336	171	172	81.3	31.4	---	1951
1952	22.5	18.7	19.0	57.8	154	485	463	350	200	95.9	63.3	40.5	183	1952
1953	88.3	46.5	18.9	51.2	158	493	484	329	233	117	58.5	41.0	173	1953
1954	30.4	30.7	24.3	36.9	95.2	802	497	283	216	181	74.3	40.3	174	1954
1955	28.0	28.5	31.9	49.2	167	573	526	445	243	187	98.5	100	213	1955
1956	33.7	32.4	21.7	49.1	238	435	553	413	238	148	88.4	48.5	181	1956
1957	46.8	42.7	36.6	47.6	124	670	524	382	257	120	80.7	48.5	187	1957
1958	43.6	36.6	41.9	36.5	164	498	520	388	255	108	64.4	38.8	180	1958
1959	35.1	32.2	35.1	50.5	212	507	385	448	198	101	62.9	36.4	178	1959
1960	30.6	33.8	28.8	31.1	110	521	382	288	132	89.8	36.4	30.1	141	1960
1961	24.1	31.4	27.7	40.8	213	581	497	383	218	118	68.8	29.7	188	1961
1962	33.5	30.0	41.4	35.7	218	752	459	353	198	118	52.5	35.8	184	1962
1963	32.7	32.8	35.2	36.5	201	457	384	310	183	100	49.3	45.4	154	1963
1964	36.6	31.5	30.0	44.8	123	585	532	370	234	131	62.1	52.7	188	1964
1965	34.2	29.6	32.6	36.0	101	347	511	278	157	90.5	80.4	42.9	148	1965
1966	30.8	32.2	28.5	43.9	207	521	513	469	264	119	49.3	36.8	177	1966
1967	34.5	33.1	30.3	42.4	186	488	417	365	208	92.8	39.8	39.8	182	1967
1968	33.6	31.5	34.9	43.7	138	515	558	324	358	188	82.1	44.5	193	1968
1969	34.7	32.5	33.8	35.4	121	417	440	300	185	95.7	35.4	25.0	147	1969
1970	22.5	28.1	27.6	57.5	266	526	352	289	182	134	85.8	48.4	184	1970
1971	39.3	26.0	32.4	36.7	235	308	416	370	205	78.4	85.7	24.1	154	1971
1972	30.6	27.5	27.7	36.7	106	584	589	350	281	145	58.8	47.8	181	1972
1973	42.1	33.5	34.5	39.7	138	374	374	288	158	93.1	75.0	34.8	141	1973
1974	43.1	31.4	33.2	42.0	86.4	489	481	341	287	147	68.5	45.7	170	1974
MEAN	35.3	31.5	30.5	42.6	183	502	476	352	217	120	69.3	42.0	173	MEAN

LOCATION - LAT 53 24 39 N DRAINAGE AREA, 9 780 km^2
LONG 117 35 11 W NATURAL FLOW

ATHABASCA RIVER AT HINTON - STATION NO. 07AD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	818 AT 23:30 MST ON JUN 8	804 ON JUN 8	---	---	1981
1982	---	765A ON JUN 27	11 OB ON MAR 2	5 180 000	1982
1983	731 AT 14:00 MST ON JUN 20	715 ON JUN 20	10 8B ON MAR 14 *	5 470 000	1983
1984	850 AT 07:00 MST ON JUN 14	844 ON JUN 14	15 OB ON MAR 23	5 520 000	1984
1985	815 AT 17:00 MST ON JUL 8	800 ON JUL 8	15 78 ON DEC 28	5 700 000	1985
1986	779 AT 18:00 MST ON JUL 5	765 ON JUL 5	17 28 ON MAR 3	5 020 000	1986
1987	884 AT 17:00 MST ON JUN 18	855 ON JUN 18	24 48 ON NOV 28	5 220 000	1987
1988	1 040 AT 13:32 MST ON JUN 28	1 000 ON JUN 28	27 5B ON APR 3	5 020 000	1988
1989	1 080 AT 18:43 MST ON AUG 8	997 ON AUG 8	31 18 ON FEB 18	5 550 000	1989
1970	787 AT 14:30 MST ON JUN 17	778 ON JUN 17	19 68 ON NOV 26	4 450 000	1970
1971	834 AT 20:00 MST ON JUN 9	806 ON JUN 9	21 58 ON JAN 16	5 850 000	1971
1972	1 270 AT 02:30 MST ON JUN 13 *	1 200 ON JUN 12 *	27 68 ON JAN 1	6 140 000	1972
1973	884 AT 15:20 MST ON JUN 28	883 ON JUN 28	29 7 ON APR 8	4 850 000	1973
1974	1 080 AT 18:50 MST ON JUN 28	1 070 ON JUN 28	28 98 ON MAR 7	5 840 000	1974
1975	742 AT 09:30 MST ON JUL 8	736 ON JUL 8	28 38 ON FEB 28	4 810 000	1975
1976	845 AT 10:30 MST ON AUG 5	840 ON AUG 5	21 08 ON DEC 8	5 610 000	1976
1977	821 AT 08:30 MST ON JUN 9	770 ON JUN 9	19 38 ON NOV 21	5 110 000	1977
1978	871 AT 18:20 MST ON JUL 12	843 ON JUL 12	25 88 ON MAR 3	5 100 000	1978
1979	888 AT 08:00 MST ON JUN 8	858 ON JUN 8	17 58 ON DEC 18	4 840 000	1979
1980	785 AT 11:15 MST ON JUN 18	778 ON JUN 18	18 88 ON FEB 15	5 130 000	1980
1981	838 AT 18:10 MST ON MAY 27	818 ON MAY 27	17 08 ON DEC 15	4 850 000	1981
1982	1 020 AT 18:48 MST ON JUL 5	1 000 ON JUL 5	22 58 ON JAN 1	5 040 000	1982
1983	581 AT 03:55 MST ON JUN 1	569 ON JUN 1	28 08 ON DEC 18	4 440 000	1983
1984	1 050 AT 18:50 MST ON JUN 30	1 050 ON JUN 30	20 08 ON MAR 13	5 380 000	1984
				5 470 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER BELOW MCMURRAY - STATION NO. 07DA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	---	532	438	287	---	1957
1958	215	178	162	1 030	1 170	1 070	1 090	576	488	400	233	151	587	1958
1959	124	111	124	---	885	1 250	1 130	553	814	822	287	236	---	1959
1960	172	155	145	475	1 080	1 530	1 880	1 080	1 110	855	439	224	745	1960
1961	208	180	164	368	850	1 120	1 180	743	635	400	286	192	513	1961
1962	142	122	121	521	1 630	1 800	1 890	1 050	740	509	370	244	748	1962
1963	200	192	189	808	1 480	1 190	913	692	588	457	289	---	---	1963
1964	---	---	125	213	956	1 140	1 050	995	835	864	381	175	---	1964
1965	207	174	182	414	1 820	1 780	2 290	1 180	1 200	854	621	271	884	1965
1966	214	208	206	389	1 170	1 480	1 290	1 190	1 030	572	348	247	898	1966
1967	218	186	186	320	1 350	1 480	1 080	869	631	371	245	138	578	1967
1968	118	121	161	285	881	985	1 090	882	854	513	308	161	485	1968
1969	167	122	118	---	1 020	993	920	1 150	836	743	---	---	---	1969
1970	148	151	152	590	908	1 210	1 880	919	712	585	284	178	846	1970
1971	154	145	144	890	1 070	1 750	2 740	1 100	847	553	288	178	782	1971
1972	195	172	195	528	1 710	1 880	1 470	814	603	588	332	185	731	1972
1973	191	171	171	445	1 120	1 890	1 340	1 220	785	790	447	283	741	1973
1974	239	213	189	837	2 080	1 520	1 790	1 080	824	841	337	288	848	1974
1975	213	185	204	383	885	978	1 730	1 020	1 070	873	449	254	883	1975
1976	224	194	180	851	708	825	1 310	1 380	1 230	705	331	184	678	1976
1977	208	208	224	750	1 380	1 710	1 380	1 080	918	731	347	221	788	1977
1978	225	190	194	885	1 120	1 590	1 340	835	1 510	859	450	277	773	1978
1979	214	188	173	393	1 580	1 720	1 790	954	804	581	380	225	749	1979
1980	242	205	208	814	888	1 810	1 280	1 210	980	727	483	188	718	1980
1981	188	180	220	508	734	1 010	883	818	482	342	277	107	481	1981
1982	109	109	107	282	1 150	981	1 880	1 050	780	609	340	333	851	1982
1983	170	157	182	418	845	883	1 880	1 080	818	484	480	212	578	1983
1984	178	167	188	471	891	1 490	1 120	722	812	723	388	233	588	1984
MEAN	187	188	171	530	1 110	1 370	1 480	982	817	609	355	213	681	MEAN

LOCATION - LAT 56 45 50 N, LONG 111 24 00 W DRAINAGE AREA, 133 000 km^2 NATURAL FLOW

ATHABASCA RIVER BELOW MCMURRAY - STATION NO 07DA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	2 440 AT 15:00 MST ON JUL 3	2 380 ON JUL 3	131 B ON NOV 30	17 900 000	1958
1959	2 030 AT 03:00 MST ON JUL 2	2 000 ON JUN 28	107 B ON FEB 17	---	1959
1960	4 280 AT 08:00 MST ON JUN 30	4 180 ON JUN 30	138 B ON MAR 12	23 800 000	1960
1961	---	1 840 ON JUL 5	130 B ON DEC 30	16 200 000	1961
1962	2 110 AT 14:00 MST ON JUL 23	2 030 ON JUL 23	118 B ON FEB 6	23 600 000	1962
1963	---	2 330E ON MAY 1	---	---	1963
1964	---	1 830 ON JUN 24	---	---	1964
1965	3 910 AT 13:00 MST ON JUL 2	3 850 ON JUL 2	184 B ON APR 7	27 800 000	1965
1966	2 080 AT 07:30 MST ON SEP 2	2 000 ON SEP 2	178 B ON JAN 3	22 000 000	1966
1967	1 830 AT 16:00 MST ON JUN 22	1 800 ON JUN 23	118 B ON DEC 31	18 300 000	1967
1968	1 800 AT 19:00 MST ON JUN 16	1 480 ON JUN 17	108 B ON JAN 5	15 300 000	1968
1969	2 970 AT 01:35 MST ON AUG 11	2 780 ON AUG 11	108 B ON MAR 28	---	1969
1970	3 910 AT 02:00 MST ON JUL 3	3 850 ON JUL 3	104 B ON NOV 26	20 400 000	1970
1971	4 780 AT 17:00 MST ON JUL 15 *	4 700 ON JUL 15 *	138 B ON MAR 14	25 000 000	1971
1972	3 680 AT 06 00 MST ON JUN 30	3 620 ON JUN 30	147 B ON NOV 26	23 100 000	1972
1973	2 650 AT 17:00 MST ON JUN 29	2 510 ON JUN 29	159 B ON FEB 26	23 400 000	1973
1974	3 030 AT 03:30 MST ON JUL 17	2 970 ON JUL 17	173 B ON DEC 3	26 700 000	1974
1975	2 470 AT 15:00 MST ON JUL 2	2 460 ON JUL 2	187 B ON JAN 28	21 500 000	1975
1976	2 080 AT 10.00 MST ON AUG 31	2 080 ON AUG 31	130 B ON NOV 26	21 500 000	1976
1977	2 880 AT 01 24 MST ON JUN 3	2 800 ON JUN 3	144 B ON NOV 26	24 200 000	1977
1978	2 510 AT 17 55 MST ON JUL 18	2 380 ON JUL 18	182 B ON FEB 22	24 400 000	1978
1979	2 930 AT 18.50 MST ON JUL 16	2 900 ON JUL 16	147 B ON DEC 4	23 600 000	1979
1980	4 170 AT 23 40 MST ON JUN 9	3 930 ON JUN 9	152 B ON DEC 18	22 700 000	1980
1981	1 430 AT 14.30 MST ON JUN 5	1 410 ON JUN 5	92 08 ON DEC 18 *	16 200 000	1981
1982	3 610 AT 20 09 MST ON JUL 9	3 490 ON JUL 9	95 08 ON JAN 11	20 500 000	1982
1983	2 310 AT 04 26 MST ON JUL 31	2 290 ON JUL 31	148 B ON FEB 20	18 200 000	1983
1984	1 950 AT 08:11 MST ON JUN 12	1 940 ON JUN 12	187 B ON JAN 1	16 900 000	1984
				21 500 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER NEAR JASPER - STATION NO 07AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	116	49 5	26 3	15 6	---	1913
1914	13.5	9 13	9 45	16 3	87 4	233	322	184	90 4	53 7	24 3	15 3	87 2	1914
1915	15.2	13.1	12 0	21.3	112	225	285	341	97 1	45 1	23 8	20 3	102	1915
1916	7.81	12.7	12 8	21 0	44 5	251	295	208	128	61 6	30 3	17 1	91.1	1916
1917	12.2	11.2	8 00	9 65	68 7	199	297	176	105	75 9	32 7	24 8	85 8	1917
1918	20.8	11.3	10 4	15 8	77 5	315	277	189	131	69 2	22 7	15 8	95 4	1918
1919	13.0	9 77	10.3	16.1	78.3	195	255	231	113	36 2	29 1	16.2	84.1	1919
1920	10.3	9.74	9 07	11 8	40.5	191	380	232	117	62 2	26 6	14 8	93.4	1920
1921	12.2	11.0	9 48	19 9	76 5	250	270	213	91.8	47 2	31 1	29.7	89 8	1921
1922	16.4	11.4	8.32	13.0	67.7	262	270	255	156	54 1	---	---	---	1922
1923	---	---	---	---	85 8	273	272	232	135	52 6	23 9	14 8	---	1923
1924	8 76	10.5	8 96	11.2	116	196	263	226	150	63 7	31 8	12.8	82.3	1924
1925	---	9.25	13 4	19.2	155	286	304	244	141	42 7	21 8	17 9	---	1925
1926	8.85	10.4	13.4	38.3	81.4	157	289	174	102	41 8	21 5	12 7	78.2	1926
1927	9.19	7.51	8 41	15 9	48 5	215	234	204	119	69 8	22 9	8 74	80.7	1927
1928	13.8	9.51	8.82	9.17	174	277	331	219	102	37 0	21 4	14 1	102	1928
1929	8.54	8.47	7.94	11.2	82.1	292	218	222	107	54 5	20 6	11 3	85.7	1929
1930	8.84	8.98	8.95	23.0	77.8	286	307	243	124	42 6	21.0	14 3	95.8	1930
1931	10.2	8.18	8.89	10.8	81.8	282	---	---	---	---	---	---	---	1931
1970	---	---	---	---	47.0	277	230	177	82.3	31 7	13.0	10 8	---	1970
1971	8.89	13 8	9 85	14.7	105	246	222	225	104	49 3	23 8	15 0	87.0	1971
1972	12.8	13.0	12.0	11.3	110	374	228	223	87.9	46 9	22.0	14 2	97.4	1972
1973	13.7	12.5	9 88	13.4	89.8	223	201	208	81.7	44 0	17.3	15 9	78.7	1973
1974	12.1	12.4	9.97	19.6	93.2	300	286	202	113	61.7	26.1	17.8	93.1	1974
1975	13.4	12.5	10.8	11.8	45 9	183	311	156	83.0	46 4	40.0	18 6	78.3	1975
1976	14.2	12.1	11.1	17.0	107	169	299	270	142	54 8	24.8	19 0	95 5	1976
1977	13.2	10.5	9.37	17.2	83.1	223	206	203	86.1	39.5	23.3	15 1	77 1	1977
1978	12.6	11.9	9.73	15.5	82.1	273	316	186	155	71.7	28.3	20 4	101	1978
1979	13.2	11.0	11.8	12.4	93.8	216	254	187	110	45 7	12.8	12.5	78.8	1979
1980	12.6	11.1	9.33	39.7	153	211	197	152	88.7	60 3	22.4	30 7	82 5	1980
1981	17.2	10.8	12.0	13.8	121	184	249	240	115	38.0	26.7	14 1	84.7	1981
1982	11.6	10.9	8.28	10.3	48.4	304	294	189	143	51.8	21.7	17 1	83.2	1982
1983	12.7	9.38	10.8	12.8	68.4	209	212	190	87.1	48.6	34.0	18.7	78.1	1983
1984	13.9	10.5	10.0	15.7	28.2	254	254	210	122	51.8	37.9	16.9	85.6	1984
MEAN	13.3	10 7	10.1	16.5	80.1	242	269	212	114	51.4	25.2	16.7	88.3	MEAN

LOCATION - LAT 52 54 22 N
LONG 118 03 28 W
DRAINAGE AREA, 3 680 km^2
NATURAL FLOW

ATHABASCA RIVER NEAR JASPER - STATION NO. 07AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	462 ON JUL 4	8.88B ON FEB 28	2 750 000	1914
1915	---	585 ON JUN 27	11.4 B ON MAR 29	3 210 000	1915
1916	---	617 ON JUL 13	3.78B ON JAN 24	2 880 000	1916
1917	---	388 ON JUL 19	8.36 ON MAR 24	2 700 000	1917
1918	---	544 ON JUN 14	6.60B ON MAR 3	3 010 000	1918
1919	---	518 ON JUN 22	7.03B ON DEC 16	2 850 000	1919
1920	---	515 ON JUL 4	5.88B ON JAN 16	2 850 000	1920
1921	---	433 ON JUN 24	7.92B ON MAR 12	2 830 000	1921
1922	---	394 ON JUL 4	4.81B ON MAR 29	---	1922
1923	---	439 ON JUN 14	---	---	1923
1924	---	402 ON JUL 3	4.98B ON JAN 31	2 930 000	1924
1925	---	381 ON JUN 27	8.84B ON FEB 23	---	1925
1926	---	368 ON JUL 6	8.51B ON JAN 3	2 470 000	1926
1927	---	311 ON JUN 10	8.77B ON MAR 10	2 850 000	1927
1928	---	589 ON MAY 27	4.81B ON MAR 14	3 220 000	1928
1929	---	484 ON JUN 2	3.88B ON JAN 30 *	2 700 000	1929
1930	---	552 ON JUN 11	4.81B ON JAN 31	3 020 000	1930
1931	---	---	8.23 ON MAR 25	---	1931
1970	---	374 ON JUN 21	---	---	1970
1971	---	388 ON JUN 8	8.07B ON JAN 15	2 740 000	1971
1972	---	637 ON JUN 11	8.55 ON APR 3	3 080 000	1972
1973	---	435 ON JUN 25	8.44 ON MAR 19	2 480 000	1973
1974	---	612 ON JUN 23	8.21 ON MAR 16	2 940 000	1974
1975	---	426 ON JUL 12	8.20B ON MAR 30	2 470 000	1975
1976	---	371 ON JUL 9	8.20B ON MAR 2	3 020 000	1976
1977	374 AT 08:30 MST ON JUN 8	367 ON JUN 8	8.30B ON MAR 31	2 430 000	1977
1978	467 AT 19:45 MST ON SEP 4	438 ON SEP 5	7.70A ON MAR 21	3 170 000	1978
1979	380 AT 05:30 MST ON JUL 22	360 ON JUL 21	7.71A ON APR 8	2 480 000	1979
1980	383 AT 09:35 MST ON JUN 17	383 ON JUN 17	8.00B ON MAR 23	2 810 000	1980
1981	348 AT 12:25 MST ON MAY 26	333 ON MAY 26	9.00B ON JAN 30	2 670 000	1981
1982	480 AT 03:00 MST ON JUN 23	478 ON JUN 22	8.60E ON MAR 27	2 940 000	1982
1983	353 AT 21:35 MST ON JUL 12	318 ON JUL 13	7.80B ON FEB 10	2 400 000	1983
1984	722 AT 12:30 MST ON JUN 29 *	642A ON JUN 29 *	8.58B ON MAR 14	2 710 000	1984
				2 780 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	248	707	813	408	228	145	72.3	61.0	---	1980
1981	65.7	57.8	56.1	84.3	317	692	502	389	207	237	128	80.1	238	1981
1982	66.2	53.6	43.2	168	380	614	628	448	284	180	111	138	257	1982
1983	102	57.6	40.8	171	319	634	548	373	281	163	86.6	45.4	238	1983
1984	49.3	54.4	28.1	58.1	247	777	648	477	361	272	103	64.2	264	1984
1985	38.8	41.6	42.8	167	388	885	1 080	878	488	201	181	87.6	357	1985
1986	58.8	85.3	46.5	117	634	605	736	647	369	250	133	77.6	304	1986
1987	47.6	49.6	37.3	45.6	237	685	851	488	287	147	83.2	83.6	248	1987
1988	43.5	36.7	63.2	77.5	249	691	704	485	289	148	78.1	82.6	237	1988
1989	38.6	46.1	46.1	77.0	288	678	488	635	278	183	88.2	40.9	228	1989
1970	47.7	53.2	50.4	92.4	214	632	457	314	185	95.6	87.2	48.7	188	1970
1971	38.4	37.8	38.9	128	298	690	892	488	275	188	78.4	87.6	284	1971
1972	64.0	42.6	70.2	87.1	389	1 030	681	437	278	218	103	71.7	278	1972
1973	58.8	54.2	57.8	131	418	618	484	395	203	170	88.4	83.2	227	1973
1974	60.2	47.8	47.0	184	348	678	636	428	286	172	90.8	86.6	262	1974
1975	46.8	45.6	40.1	72.1	207	441	819	309	189	120	103	80.4	188	1975
1976	48.4	54.2	43.0	128	296	436	634	686	361	172	85.1	82.7	280	1976
1977	63.6	52.6	51.6	90.2	427	878	862	647	387	202	93.6	82.3	274	1977
1978	67.4	63.7	52.0	128	268	885	721	424	484	238	---	---	---	1978
1979	---	---	60.3	92.6	267	844	886	387	231	136	---	---	---	1979
1980	---	---	43.6	136	352	887	823	376	284	200	---	---	---	1980
1981	---	---	58.7	86.6	343	430	804	488	268	118	---	---	---	1981
1982	---	---	43.1	83.7	298	885	839	833	404	244	---	---	---	1982
1983	---	---	48.7	76.6	188	826	883	385	188	128	---	---	---	1983
1984	---	---	46.7	100	191	873	834	387	273	234	---	---	---	1984
MEAN	53.7	50.2	48.2	108	308	687	844	480	287	183	93.6	85.1	253	MEAN

LOCATION - LAT 54 12 28 N
LONG 116 03 45 W
DRAINAGE AREA, 19 800 km^2
NATURAL FLOW

ATHABASCA RIVER NEAR WINDFALL - STATION NO. 07AE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	2 070 ON JUN 26	---	---	1980
1981	---	948 ON MAY 29	36.0B ON DEC 16	7 280 000	1981
1982	---	988 ON JUN 29	32.6B ON MAR 6	8 060 000	1982
1983	---	817 ON JUN 21	29.7B ON APR 2	7 450 000	1983
1984	---	1 230 ON JUN 30	23.4B ON MAR 30	8 340 000	1984
1985	---	2 130 ON JUL 10 *	30.3B ON MAR 31	11 300 000	1985
1986	---	1 190 ON AUG 29	36.6B ON MAR 9	9 590 000	1986
1987	---	1 170 ON JUN 20	26.2B ON MAR 14	7 630 000	1987
1988	1 210 AT 12:10 MST ON JUN 29	1 180 ON JUN 29	29.4B ON FEB 19	7 480 000	1988
1989	1 870 AT 09:52 MST ON AUG 7	1 780 ON AUG 7	31.1B ON JAN 23	7 070 000	1989
1970	1 030 AT 20:38 MST ON JUN 17	948 ON JUN 18	34.6B ON NOV 22	5 850 000	1970
1971	1 780 AT 08:00 MST ON JUN 11	1 700 ON JUL 12	32.6B ON JAN 13	8 970 000	1971
1972	1 870 AT 07:00 MST ON JUN 14 *	1 870 ON JUN 14	37.4B ON FEB 25	8 810 000	1972
1973	1 200 AT 08:00 MST ON JUN 26	1 170 ON JUN 26	51.0B ON NOV 10	7 170 000	1973
1974	1 380 AT 08:10 MST ON JUN 19	1 250 ON JUN 19	42.5B ON FEB 25	7 980 000	1974
1975	858 AT 05:30 MST ON JUL 8	850 ON JUL 8	38.6B ON MAR 11	5 930 000	1975
1976	1 070 AT 08:00 MST ON AUG 18	1 040 ON AUG 18	42.2B ON MAR 6	7 920 000	1976
1977	---	980A ON JUN 10	19.3B ON NOV 23 *	8 810 000	1977
1978	1 840 AT 04:00 MST ON JUL 13	1 480 ON JUL 13	---	---	1978
1979	1 050 AT 23:15 MST ON JUL 12	1 000 ON JUL 12	---	---	1979
1980	1 930 AT 07:10 MST ON JUN 6	1 870 ON JUN 6	---	---	1980
1981	818 AT 13:50 MST ON MAY 28	809 ON MAY 28	---	---	1981
1982	1 820 AT 18:25 MST ON JUL 5	---	---	---	1982
1983	811 AT 17:10 MST ON JUN 23	---	---	---	1983
1984	1 090 AT 11:35 MST ON JUL 1	1 050 ON JUL 1	---	---	1984
				7 990 000	MEAN

A - MANUAL GAUGE
B - ICE CONDITIONS
(SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.409	0.233	0.282	0.223	0.178	0.180	---	---	---	1979
1980	---	---	---	0.812	0.222	0.303	0.115	0.229	0.115	---	---	---	---	1980
1981	---	---	---	0.661	0.234	0.138	0.188	0.105	0.112	---	---	---	---	1981
1982	---	---	---	---	0.600	0.130	0.382	0.102	0.144	0.146	---	---	---	1982
1983	---	---	---	0.442	0.189	0.228	0.298	0.085	0.041	0.185	---	---	0.199	1983
1984	---	---	---	0.178	0.386	0.287	0.186	0.101	0.298	0.170	---	---	0.226	1984
MEAN	---	---	---	0.498	0.338	0.221	0.230	0.134	0.148	0.185	---	---	0.213	MEAN

LOCATION - LAT 53 34 20 N, LONG 113 56 00 W
DRAINAGE AREA, 315 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ATIM CREEK NEAR SPRUCE GROVE - STATION NO. 05EA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	1.92 AT 23:00 MST ON APR 18	1.61 ON APR 19	---	---	1979
1980	2.04 AT 09:00 MST ON APR 9	1.77 ON APR 9	---	---	1980
1981	---	0.814 ON APR 1	---	---	1981
1982	4.08 AT 17:30 MST ON APR 21 *	3.96 E ON APR 22 *	---	---	1982
1983	0.884 AT 07:08 MST ON APR 9	0.771 ON APR 8	0 ON AUG 26 *	3 890	1983
1984	1.18 AT 07:17 MST ON JUN 7	1.08 ON JUN 7	0.050 ON AUG 9	4 180	1984
				3 940	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ATIMOSWE CREEK NEAR ELK POINT - STATION NO. 05ED002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	0.258	0.080	0.086	0.124	---	---	---	1975
1976	---	---	0.004	---	---	---	0.075	0.020	0.015	0.083	---	---	---	1976
1977	---	---	0	0.251	0.313	0.055	0.011	0.072	0.021	0.041	---	---	0.088	1977
1978	---	---	0.004	1.48	0.285	0.305	0.022	0.018	0.039	0.041	---	---	0.287	1978
1979	---	---	0	2.58	0.899	0.295	0.548	0.231	0.082	0.041	---	---	0.581	1979
1980	---	---	0	1.45	0.108	0.045	0.054	0.100	0.029	0.041	---	---	0.225	1980
1981	---	---	0.257	1.82	0.059	0.032	0.026	0.003	0.013	0.004	---	---	0.272	1981
1982	---	---	0	0.228	0.224	0.006	0.022	0.005	0.003	0.011	---	---	0.062	1982
1983	---	---	0.002	0.088	0.009	0.012	0.033	0.010	0.055	0.024	---	---	0.028	1983
1984	---	---	0.250	1.34	0.064	0.091	0.053	0.139	0.038	0.085	---	---	0.258	1984
MEAN	---	---	0.057	1.15	0.245	0.105	0.110	0.068	0.039	0.068	---	---	0.224	MEAN

LOCATION - LAT 53 53 10 N, LONG 110 55 10 W
DRAINAGE AREA, 384 km^2
NATURAL FLOW

ATIMOSWE CREEK NEAR ELK POINT - STATION NO. 05ED002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	0.790 ON MAY 20	0 B ON MAR 1	2 020	1977
1978	4.848 AT 15:30 MST ON APR 11	3.85 B ON APR 11	0 B ON MAR 1	5 850	1978
1979	13.1 AT 05:30 MST ON APR 28 *	12.3 ON APR 28 *	0 B ON MAR 1	12 300	1979
1980	10.0 B AT 11:50 MST ON APR 14	7.91 B ON APR 14	0 B ON MAR 1	4 770	1980
1981	8.15 AT 08:30 MST ON APR 3	7.10 B ON APR 2	0 ON JUN 15	5 760	1981
1982	1.068 AT 13:30 MST ON APR 29	1.03 B ON APR 29	0 B ON MAR 1	1 320	1982
1983	1.68 AT 10:13 MST ON SEP 27	0.323 ON SEP 27	0 B ON MAR 1	809	1983
1984	---	5.65 B ON APR 2	0.0018 ON MAR 1	5 450	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 740	MEAN

ATLAS MINE COULEE AT WESTERN MONARCH - STATION NO. 05CE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	0.027R	0.003R	0.008R	0.008R	---	---	---	1982
1983	---	---	0.051	0.024	0.033	0.013	0.001	0	0	0	---	---	---	1983
1984	---	---	0.024	0.007	0.002	0.015	0.019	0.029	0.031	0.002	---	---	---	1984
MEAN	---	---	0.038	0.018	0.018	0.014	0.018R	0.010R	0.013R	0.003R	---	---	---	MEAN

LOCATION - LAT 51 19 40 N, LONG 112 28 40 W. DRAINAGE AREA, 52.3 km^2. NATURAL FLOW.

R - REVISED SINCE JAN 1980

ATLAS MINE COULEE AT WESTERN MONARCH - STATION NO. 05CE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	0.478 AT 03:28 MST ON JUN 25 *	---	---	---	1983
1984	0.389 AT 19:55 MST ON JUL 29	0.255 ON JUL 31 *	0B ON FEB 27 *	---	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	0.488	0.037	0.108	0.009	---	---	---	1985
1986	---	---	1.44	0.052	0.007	0.087	0.275	0.013	0.023	0	---	---	0.238	1986
1987	---	---	0	1.27	0.114	0	0.112	0	0	0	---	---	0.184	1987
1988	---	---	0.020	0.022	0	0.015	0.044	0.033	0.117	0.057	---	---	0.038	1988
1989	---	---	0	1.08	0.003	0	0	0	0	0	---	---	0.134	1989
1970	---	---	0.113	0.031	0.001	0.302	0.238	0	0	0	---	---	0.085	1970
1971	---	---	0.013	2.09	0.003	0	0	0	0	0	---	---	0.258	1971
MEAN	---	---	0.264	0.788	0.021	0.084	0.185	0.012	0.038	0.008	---	---	0.158	MEAN

LOCATION - LAT 51 19 50 N, LONG 113 03 15 W. DRAINAGE AREA, 76.9 km^2. NATURAL FLOW.

ATUSIS CREEK NEAR REDLAND - STATION NO. 05CE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	0 ON JUN 25 *	---	1985
1986	18.7 E ON JUL 3 *	12.3 E ON MAR 27	0E ON MAR 1	5 000	1986
1987	---	7.76 ON APR 14	0B ON MAR 1	3 800	1987
1988	3.28 AT 21:30 MST ON SEP 22	1.47 ON SEP 23	0B ON MAR 1	812	1988
1989	---	7.28A ON APR 8	0B ON MAR 1	2 840	1989
1970	8.28 AT 04:30 MST ON JUN 14	3.85 ON JUN 14	0B ON MAR 1	1 800	1970
1971	18.8 AT 21:30 MST ON APR 13	13.3 A ON APR 9 *	0B ON MAR 1	5 470	1971
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	3 300	MEAN

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	0.874	0.375	0.838	0.278	0.298	2.88	0.584	---	---	---	1978
1979	---	---	---	---	0.847	0.241	0.852	0.049	0.001	0.001	---	---	---	1979
1980	---	---	---	0.108	0.028	0.013	0.083	0.187	0.152	---	---	---	---	1980
1981	---	---	---	0.897	0.068	0.033	0.082	0.032	0.008	---	---	---	---	1981
1982	---	---	---	0.838	0.137	0.009	0.113	0.188	0.050	0.008	---	---	---	1982
1983	---	---	---	0.152	0.028	0.188	1.12	0.333	0.078	0.045	---	---	---	1983
1984	---	---	0.089	0.081	0.029	0.234	0.152	0.018	0.108	0.134	---	---	0.102	1984
MEAN	---	---	0.089	0.425	0.218	0.223	0.353	0.156	0.478	0.154	---	---	0.102	MEAN

LOCATION - LAT 54 38 10 N
LONG 113 04 45 W
DRAINAGE AREA, 222 km²
NATURAL FLOW

BABETTE CREEK NEAR COLINTON - STATION NO. 07CA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	0.97 ON SEP 18 *	---	---	1978
1979	5.24 B AT 18:10 MST ON APR 24 *	5.15 B ON APR 24	0 ON AUG 21 *	---	1979
1980	0.793 AT 12:15 MST ON APR 8	0.3548 ON APR 8	0B ON APR 1	---	1980
1981	1.84 AT 08:14 MST ON APR 2	1.76 B ON APR 2	0B ON MAR 13	---	1981
1982	1.90 AT 18:15 MST ON APR 24	1.80 A ON APR 24	0B ON MAR 23	---	1982
1983	3.80 AT 08:33 MST ON JUN 24	3.58 ON JUL 24	0B ON MAR 11	---	1983
1984	0.702 AT 08:32 MST ON JUN 8	0.697 ON JUN 8	0B ON MAR 1	2 160	1984
				2 160	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BAD HEART RIVER NEAR HEART VALLEY - STATION NO. 07GJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	0.248	0.384	0.585	3.89	0.081	0.050	0.027	0.047	---	---	0.849	1988
1989	---	---	0	3.58	1.14	0.058	0.058	---	---	---	---	---	---	1989
MEAN	---	---	0.124	1.98	0.863	1.97	0.060	0.050	0.027	0.047	---	---	0.849	MEAN

LOCATION - LAT 55 31 52 N
LONG 118 23 25 W
DRAINAGE AREA, 192 km²
NATURAL FLOW

BAD HEART RIVER NEAR HEART VALLEY - STATION NO. 07GJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1988	142 AT 08:30 MST ON JUN 13 *	69.9 ON JUN 13 *	0.019 ON SEP 2	13 700	1988
1989	---	17.8E ON APR 28	0 B ON MAR 1 *	---	1989
				13 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BAKER CREEK NEAR THE MOUTH - STATION NO. 05BA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.58	1.33	0.898	---	---	---	1973
1974	---	---	---	---	1.09	9.88	7.11	3.45	1.29	0.744	---	---	3.91	1974
1975	---	---	---	---	1.23	5.37	5.22	3.11	1.84	0.883	---	---	2.80	1975
1976	---	---	---	---	---	8.84	8.80	5.95	3.70	1.21	---	---	---	1976
MEAN	---	---	---	---	1.16	8.88	6.98	3.77	1.99	0.939	---	---	3.41	MEAN

LOCATION - LAT 51 20 50 N
LONG 116 04 05 W
DRAINAGE AREA, 124 km²
NATURAL FLOW

BAKER CREEK NEAR THE MOUTH - STATION NO. 05BA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	---	---	---	1973
1974	25.0 AT 02:10 MST ON JUN 24 *	21.1 ON JUN 24 *	0.655E ON OCT 31	62 100	1974
1975	---	7.03E ON JUL 5	0.388 ON MAY 2 *	48 100	1975
1976	15.1 AT 01:30 MST ON JUL 1	13.1 ON JUL 1	0.695 ON MAY 1	---	1976
				54 100	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BALFOUR CREEK NEAR THE MOUTH - STATION NO. 05BA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	5.82	4.43	---	---	---	---	---	1974
1975	---	---	---	---	---	---	8.85	4.02	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	7.14	4.23	---	---	---	---	---	MEAN

LOCATION - LAT 51 35 40 N
LONG 116 24 10 W
DRAINAGE AREA, 38.6 km²
NATURAL FLOW
DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BALFOUR CREEK NEAR THE MOUTH - STATION NO. 05BA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	---	---	---	---	1974
1975	---	12.2E ON JUL 12 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

BATH CREEK NEAR LAKE LOUISE - STATION NO. 05BA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	5.17	4.70	4.29	---	---	---	---	---	1913
1915	---	---	---	---	---	3.81	5.70	5.16	2.78	0.898	0.658	0.505	---	1915
1916	0.448	0.408	---	---	---	---	9.30	5.84	3.50	1.31	0.649	0.484	---	1916
1917	0.379	0.332	0.282	0.256	1.57	3.88	8.03	6.07	3.21	2.28	0.787	0.563	2.32	1917
1918	0.418	0.351	0.322	0.434	1.18	5.87	8.14	7.88	5.20	1.67	0.564	0.408	3.06	1918
1919	0.382	0.308	0.298	0.412	2.06	4.33	6.05	5.27	3.90	1.04	0.578	0.384	2.18	1919
1920	0.304	0.287	0.246	0.291	0.923	2.96	7.87	5.89	2.54	1.15	---	---	---	1920
MEAN	0.388	0.333	0.282	0.349	1.43	4.81	7.23	5.49	3.88	1.39	0.651	0.505	2.52	MEAN

LOCATION - LAT 51 26 25 N
LONG 116 12 30 W
DRAINAGE AREA, 67.6 km²
NATURAL FLOW

BATH CREEK NEAR LAKE LOUISE - STATION NO. 05BA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	7.84 ON JUN 13	---	---	1913
1915	---	11.8 ON JUN 26	---	---	1915
1916	---	17.8 ON JUN 20	---	---	1916
1917	---	10.0 ON JUL 21	0.249 ON MAR 26	73 200	1917
1918	---	23.5 ON JUN 15 *	0.294 ON APR 2	96 700	1918
1919	---	7.26A ON MAY 25	0.224A ON FEB 24 *	88 700	1919
1920	---	8.33 ON JUL 18	---	---	1920
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		78 500	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0.455	0.524	0.548	0.403	0.458	0.378	---	---	0.482	1973
1974	---	---	---	---	0.033	0.475	0.827	0.534	0.487	0.408	---	---	0.427	1974
1975	---	---	---	---	0.054	0.310	0.373	0.873	0.528	0.332	---	---	0.375	1975
1976	---	---	---	---	0.244	0.373	0.448	0.480	0.640	0.384	---	---	0.421	1976
1977	---	---	---	---	0.245	0.284	0.270	0.223	0.383	0.238	---	---	0.275	1977
1978	---	---	---	---	0.048	0.148	0.545	0.880	0.882	0.400	---	---	0.484	1978
1979	---	---	---	---	0.024	0.402	0.372	0.342	0.506	0.352	---	---	0.332	1979
1980	---	---	---	---	0.422	0.233	0.408	0.487	0.470	0.288	---	---	0.381	1980
1981	---	---	---	---	0.454	0.452	0.581	0.586	0.380	0.498	---	---	0.483	1981
1982	---	---	---	---	0.100	0.398	0.541	0.884	0.653	0.183	---	---	0.422	1982
1983	---	---	---	---	0.128	0.411	0.342	0.803	0.343	0.057	---	---	0.287	1983
1984	---	---	---	---	0.185	0.582	0.117	0.148	0.227	0.188	---	---	0.238	1984
MEAN	---	---	---	---	0.189	0.383	0.428	0.490	0.503	0.302	---	---	0.384	MEAN

LOCATION - LAT 49 52 20 N
LONG 112 38 00 W
REGULATED

BATTERSEA DRAIN NEAR THE MOUTH - STATION NO. 05AD036

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.903 ON AUG 7	0.005E ON MAY 1	7 340	1973
1974	---	1.08 ON JUL 8	0.013 ON MAY 28	6 780	1974
1975	---	1.05 ON AUG 19	0.022 ON OCT 31	8 000	1975
1976	---	1.09 ON SEP 13	0.004 ON MAY 10	8 690	1976
1977	---	0.686 ON JUL 18	0.007 ON MAY 4	4 370	1977
1978	---	2.02 ON AUG 23	0.011A ON OCT 30	7 840	1978
1979	---	0.916 ON OCT 20	0.001 ON JUN 3	5 270	1979
1980	---	2.36 ON MAY 24 *	0.008 ON MAY 10	8 080	1980
1981	---	1.83 ON JUN 14	0.007 ON MAY 2	7 880	1981
1982	---	2.23 ON JUL 1	0.018E ON MAY 15	8 700	1982
1983	---	1.04 ON AUG 12	0.008 ON MAY 10	4 720	1983
1984	---	1.18 ON JUN 11	0 E ON OCT 19 *	3 740	1984
				6 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER ABOVE PIPESTONE CREEK - STATION NO. 05FA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.780	4.88	1.57	2.78	0.435	0.114	0.213	0.999	---	---	---	1984
MEAN	---	---	0.780	4.88	1.57	2.78	0.435	0.114	0.213	0.999	---	---	---	MEAN

LOCATION - LAT 52 57 31 N, LONG 113 10 30 W
DRAINAGE AREA, 2 800 km^2
NATURAL FLOW

BATTLE RIVER ABOVE PIPESTONE CREEK - STATION NO. 05FA023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	12.5 AT 18:00 MST ON APR 3 *	10.88 ON APR 3 *	---	---	1984
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER AT DUHAMEL - STATION NO. 05FA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	3.47	1.30	0.985	0.481	0.384	0.240	---	1931
1932	---	---	---	5.48	9.45	4.05	---	---	---	---	---	---	---	1932
MEAN	---	---	---	5.48	9.45	4.05	3.47	1.30	0.985	0.481	0.384	0.240	---	MEAN

LOCATION - LAT 52 57 00 N, LONG 112 58 00 W
DRAINAGE AREA, 5 010 km^2
NATURAL FLOW

BATTLE RIVER AT DUHAMEL - STATION NO. 05FA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	8.15 ON JUL 8	---	---	1931
1932	---	34.8 ON APR 30 *	---	---	1932
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER AT HIGHWAY NO. 41 - STATION NO. 05FE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	2.78	2.21	0.515	0.20	3.72	---	---	---	1978
MEAN	---	---	---	---	---	2.78	2.21	0.515	0.20	3.72	---	---	---	MEAN

LOCATION - LAT 52 59 45 N, LONG 110 51 15 W
DRAINAGE AREA, 17 800 km^2
REGULATED SINCE 1973
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BATTLE RIVER BELOW PIPESTONE CREEK - STATION NO. 05FA021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	1.31	0.363	0.088	---	1.05	---	---	---	1978
MEAN	---	---	---	---	---	1.31	0.363	0.088	---	1.05	---	---	---	MEAN

LOCATION - LAT 52 58 05 N
LONG 113 04 20 W
DRAINAGE AREA, 4 870 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BATTLE RIVER BELOW PIPESTONE CREEK - STATION NO. 05FA021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	0 ON JUL 31 *	---	1978
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05FC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.792	0.148	0.027	---	1966
1967	0.008	0.002	0	2.81	17.4	3.75	0.800	0.276	0.078	0.010	---	---	3.15	1967
1968	---	---	1.80	1.87	0.549	0.057	0.079	0.009	0.408	0.492	---	---	0.669	1968
1969	---	---	0	24.9	8.84	1.14	0.511	0.089	0.239	0.218	---	---	4.42	1969
1970	---	---	0.014	21.9	10.2	2.22	0.28	1.98	1.24	0.816	---	---	5.56	1970
1971	---	---	0.028	16.9	26.3	3.86	4.39	5.12	2.40	1.22	---	---	7.77	1971
1972	---	---	0.719	15.6	12.0	3.75	2.38	1.05	1.08	0.982	---	---	4.88	1972
1973	---	---	1.38	13.1	9.82	4.35	9.09	14.7	7.84	4.03	---	---	8.05	1973
1974	---	---	0.456	52.1	137	31.6	13.4	8.37	4.38	3.02	---	---	31.3	1974
1975	---	---	0.014	3.77	21.8	8.22	2.88	1.00	0.280	0.446	---	---	4.88	1975
1976	---	---	0.327	8.76	3.71	0.574	0.188	0.070	0.024	0.110	---	---	1.48	1976
1977	---	---	0.112	0.885	2.63	1.80	0.594	0.118	0.057	0.050	---	---	0.780	1977
1978	---	---	1.52	5.80	3.38	1.56	0.707	0.403	3.62	2.24	---	---	2.37	1978
1979	---	---	4.87	18.5	14.0	3.38	1.64	1.04	0.357	0.824	---	---	5.55	1979
1980	---	---	0.274	13.0	8.27	2.66	4.66	4.63	7.67	8.47	---	---	8.01	1980
1981	---	---	8.85	13.5	5.03	3.21	2.27	10.3	6.71	3.38	---	---	6.36	1981
1982	---	---	0.581	8.22	44.1	10.0	23.0	16.8	6.36	5.44	---	---	14.4	1982
1983	---	---	2.89	21.8	9.48	4.78	32.6	6.40	1.86	1.36	---	---	10.1	1983
1984	---	---	0.499	8.00	2.33	3.01	0.936	0.017	0.212	0.422	---	---	1.91	1984
MEAN	0.008	0.002	1.23	14.0	18.8	4.90	5.82	4.01	2.51	1.81	0.148	0.027	6.82	MEAN

LOCATION - LAT 52 34 23 N
LONG 112 20 48 W
DRAINAGE AREA, 7 680 km²
REGULATED SINCE 1973

BATTLE RIVER NEAR FORESTBURG - STATION NO. 05FC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	31.4 AT 15:00 MST ON MAY 1	31.1 ON MAY 1	0 B ON MAR 1 *	86 700	1967
1968	10.5 AT 23:30 MST ON OCT 7	7.42 ON OCT 6	0 ON JUN 27	14 200	1968
1969	---	37.7 B ON APR 10	0 E ON MAR 1	93 500	1969
1970	45.9 AT 12:00 MST ON JUL 1	43.6 ON JUL 1	0.0148 ON MAR 1	118 000	1970
1971	49.3 AT 17:30 MST ON MAY 1	48.0 ON APR 30	0.0288 ON MAR 1	164 000	1971
1972	28.2 AT 12:00 MST ON APR 23	28.0 ON APR 23	0 B ON MAR 14	88 900	1972
1973	38.6 AT 09:00 MST ON AUG 7	27.8 ON AUG 7	0 B ON MAR 1	171 000	1973
1974	243 A AT 08:40 MST ON APR 30 *	242 A ON APR 30 *	0.3858 ON MAR 27	882 000	1974
1975	33.7 AT 11:00 MST ON MAY 8	33.7 ON MAY 8	0.0148 ON MAR 1	87 000	1975
1976	---	10.0 B ON APR 7	0.014 ON SEP 13	30 800	1976
1977	11.0 AT 19:30 MST ON MAY 16	9.15 ON MAY 17	0 ON AUG 22	18 500	1977
1978	16.6 AT 13:20 MST ON JUN 30	14.5 ON JUN 30	0 ON AUG 3	50 100	1978
1979	22.0 AT 20:10 MST ON MAY 1	22.0 ON MAY 1	0.018 ON SEP 10	118 000	1979
1980	25.5 AT 11:00 MST ON APR 22	25.3 ON APR 22	0.1008 ON MAR 1	127 000	1980
1981	---	21.0 B ON MAR 29	1.30 B ON MAR 9	135 000	1981
1982	62.9 AT 22:47 MST ON MAY 8	62.4 ON MAY 8	0.2388 ON APR 2	304 000	1982
1983	45.6 AT 16:13 MST ON JUL 8	45.1 ON JUL 8	0.988 ON JUN 17	214 000	1983
1984	10.3 AT 22:25 MST ON APR 10	10.2 ON APR 10	0 B ON MAR 1	40 300	1984
				140 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR PONOKA - STATION NO. 05PA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	4.80	8.77	2.89	1.57	1.23	0.881	---	---	1913
1914	---	---	---	2.32	10.8	23.0	5.62	1.01	0.927	1.55	0.930	0.926	---	1914
1915	0.788	0.481	1.22	3.80	3.84	26.7	30.5	5.05	2.02	2.32	1.24	0.490	6.55	1915
1916	0.228	0.272	4.37	7.47	8.50	10.5	15.8	8.38	23.8	8.94	3.51	1.84	7.44	1916
1917	1.46	1.47	1.54	30.3	27.8	11.7	5.06	0.883	0.918	0.988	1.67	1.38	7.11	1917
1918	1.39	1.41	1.57	4.48	2.71	2.73	1.06	0.575	0.576	0.680	0.334	0.199	1.47	1918
1919	0.188	0.128	0.141	10.5	5.83	2.49	1.10	0.530	1.50	0.808	0.831	0.388	2.01	1919
1920	0.485	0.477	0.578	10.1	41.5	8.11	2.49	0.793	0.647	0.753	0.553	0.395	5.61	1920
1921	0.458	0.447	0.541	7.48	2.46	1.75	1.42	0.490	0.373	0.366	0.192	0.037	1.33	1921
1922	0.005	0.003	0.003	0.631	0.803	0.779	0.411	0.270	0.196	0.209	0.073	---	---	1922
1923	---	---	---	1.81	1.47	2.30	2.73	2.52	0.939	0.811	---	---	---	1923
1924	---	---	---	1.36	1.66	1.04	0.468	1.04	0.844	0.790	0.450	0.262	---	1924
1925	0.181	0.081	0.068	15.4	2.71	2.78	1.05	0.783	1.04	1.11	0.886	0.740	2.32	1925
1926	0.743	0.689	2.07	7.17	2.22	20.3	3.52	1.52	14.7	5.58	2.36	1.87	5.18	1926
1927	1.53	1.08	1.52	32.0	22.5	8.84	23.0	2.40	1.45	2.05	1.20	1.12	8.25	1927
1928	1.25	1.86	14.2	11.5	4.10	8.48	8.89	1.84	1.14	1.27	0.622	0.520	4.72	1928
1929	0.550	0.304	1.23	3.96	3.21	1.82	0.747	0.298	0.151	0.245	0.175	0.100	1.05	1929
1930	0.088	0.048	0.102	1.18	0.944	0.800	0.648	0.421	0.293	---	---	---	---	1930
1931	---	0.024	0.031	0.895	---	---	---	---	---	0.271	0.188	0.070	---	1931
1932	0.089	---	---	---	---	---	---	---	---	---	---	---	---	1932
1966	---	---	---	---	---	---	0.380	0.243	0.118	0.138	---	---	---	1966
1967	---	---	0	3.32	2.80	1.82	0.328	0.011	0	0	---	---	---	1967
1968	---	---	2.55	0.880	0.373	0.147	0.069	0.058	0.025	0.033	---	---	---	1968
1969	---	---	0.152	10.5	0.788	0.320	0.189	0.094	0.083	0.319	---	---	---	1969
1970	---	---	0.093	8.87	1.12	1.31	2.38	0.280	0.208	0.243	---	---	---	1970
1971	---	---	0.218	18.7	2.41	1.64	4.08	0.448	0.158	0.263	0.171	0.182	---	1971
1972	0.088	0.081	0.810	7.84	1.82	1.15	1.01	0.791	0.323	0.470	0.307	0.168	1.23	1972
1973	0.101	0.089	0.827	8.51	3.51	2.02	7.80	8.74	1.13	0.717	0.588	0.399	2.53	1973
1974	0.308	0.310	0.302	33.0	14.4	4.53	4.85	1.87	0.605	0.529	0.442	0.145	5.08	1974
1975	0.158	0.182	0.210	6.23	5.85	1.78	0.935	0.282	0.140	0.173	0.148	0.084	1.44	1975
1976	0.087	0.108	0.178	3.55	0.849	0.084	0.047	0.527	0.103	0.039	0.090	0.088	0.460	1976
1977	0.132	0.168	0.218	1.22	3.05	2.43	0.257	0.073	0.107	0.136	0.127	0.100	0.869	1977
1978	0.050	0.036	1.44	4.21	1.78	1.31	0.278	0.208	0.802	0.477	0.498	0.380	0.938	1978
1979	0.171	0.108	2.91	4.21	3.03	1.85	0.208	0.245	0.184	0.290	0.185	0.174	1.12	1979
1980	0.121	0.078	0.083	5.48	0.880	2.71	3.63	2.47	3.44	1.91	1.34	0.855	1.90	1980
1981	0.878	0.428	4.63	2.41	3.80	2.22	5.19	13.8	2.49	2.85	2.57	2.08	3.59	1981
1982	1.40	0.485	0.498	18.7	8.87	2.61	18.5	3.46	3.07	2.86	1.78	1.28	5.22	1982
1983	0.820	0.885	2.42	8.94	3.33	1.82	8.02	0.898	0.210	0.456	0.416	0.185	2.31	1983
1984	0.193	0.292	1.53	2.17	1.83	3.16	0.108	0.058	1.22	0.993	0.853	0.394	1.05	1984
MEAN	0.488	0.432	1.46	8.31	5.77	4.78	4.48	1.73	1.81	1.10	0.813	0.567	3.22	MEAN

LOCATION - LAT 52 39 44 N DRAINAGE AREA, 1 840 km²
LONG 113 34 56 W NATURAL FLOW

BATTLE RIVER NEAR PONOKA - STATION NO. 05PA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	17.0 ON JUL 15	---	---	1913
1914	---	55.5 ON JUN 10	---	---	1914
1915	---	55.8 ON JUN 8	0.340B ON DEC 31	206 000	1915
1916	---	58.9 ON SEP 8	0.173B ON FEB 9	236 000	1916
1917	---	59.5 ON APR 14	0.880 ON AUG 18	224 000	1917
1918	---	7.08 ON APR 14	0.085B ON NOV 14	46 400	1918
1919	---	28.3 ON APR 14	0.028B ON NOV 14	83 300	1919
1920	---	90.8 ON MAY 8	0.249B ON JAN 25	177 000	1920
1921	---	32.3 B ON APR 15	0.006B ON DEC 25	41 800	1921
1922	---	2.41 ON JUN 6	0 B ON MAR 25 *	---	1922
1923	---	6.31 ON JUL 11	---	---	1923
1924	---	3.96 B ON APR 28	---	---	1924
1925	---	55.2 ON APR 10	0.020B ON MAR 16	70 200	1925
1926	48.4 AT 07:35 MST ON JUN 23	46.2 ON JUN 23	0.809B ON FEB 17	163 000	1926
1927	78.4 ON JUL 10	75.6 ON JUL 11	0.891B ON FEB 17	280 000	1927
1928	---	53.0 B ON MAR 26	0.478B ON DEC 20	149 000	1928
1929	---	8.67 B ON APR 18	0.040B ON FEB 7	33 100	1929
1930	---	1.53 B ON APR 2	0.037B ON FEB 24	---	1930
1931	---	---	0 B ON NOV 19	---	1931
1932	---	0.268B ON JAN 10	0.031B ON JAN 8	---	1932
1966	---	---	---	---	1966
1967	---	17.4 B ON APR 28	0 B ON MAR 1	---	1967
1968	---	---	0 A ON JUL 5	---	1968
1969	---	86.0 B ON APR 10	0 ON AUG 30	---	1969
1970	---	31.7 ON APR 12	---	---	1970
1971	55.5 AT 18:00 MST ON APR 18	53.8 ON APR 18	---	---	1971
1972	---	17.8 B ON APR 8	0.078B ON FEB 1	38 000	1972
1973	28.2 AT 24:00 MST ON JUL 4	27.8 ON JUL 5	0.088B ON FEB 5	78 800	1973
1974	108 AT 11:00 MST ON APR 15 *	104 ON APR 15 *	0.113B ON DEC 15	180 000	1974
1975	---	20.0 B ON APR 22	0.024 ON SEP 29	45 300	1975
1976	---	11.1 B ON APR 10	0.017 ON AUG 14	14 800	1976
1977	11.0 AT 13:00 MST ON MAY 31	9.88 ON MAY 31	0.009 ON JUL 27	21 100	1977
1978	13.6B AT 04:30 MST ON APR 1	12.7 B ON APR 1	0.023B ON JAN 21	29 600	1978
1979	15.6 AT 13:00 MST ON APR 22	15.2 ON APR 22	0.073A ON JUL 25	35 200	1979
1980	17.3 AT 07:00 MST ON JUL 4	14.4 ON JUL 4	0.065B ON MAR 16	58 800	1980
1981	85.3 AT 05:15 MST ON AUG 2	83.7 ON AUG 2	0.380B ON FEB 16	113 000	1981
1982	80.7 AT 03:21 MST ON APR 24	80.3 ON APR 24	0.260B ON MAR 3	184 000	1982
1983	---	21.3 B ON APR 4	0.033 ON SEP 10	72 800	1983
1984	11.1 AT 15:27 MST ON SEP 25	9.78 ON JUN 11	0.001 ON AUG 2	33 100	1984
				101 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	3.93	3.28	1.04	---	---	---	---	---	1978
1979	---	---	---	---	---	---	---	---	---	---	---	0.839R	---	1979
1980	0.566	0.382	0.545	23.7	11.9	5.81	8.38	5.68	8.53	10.9	5.92	3.00	7.35	1980
1981	1.89	1.56	8.29	22.1	8.83	5.96	3.18	5.53	10.4	5.05	3.88	2.38	8.85	1981
1982	1.40	1.40	1.23	8.73	47.4	14.6	23.7	24.9	8.93	7.18	4.95	2.79	12.4	1982
1983	2.26	1.65	4.43	26.9	17.0	8.02	50.5	12.8	4.88	2.85	2.38	1.78	11.4	1983
1984	1.00	1.19	2.80	14.2	5.18	5.08	2.97	0.975	1.48	2.13	0.914	0.810	3.30	1984
MEAN	1.42	1.28	3.48	19.1	18.1	7.80	15.5	8.68	6.80	5.82	3.81	1.80 R	8.22	MEAN

LOCATION - LAT 52 51 23 N DRAINAGE AREA, 25 000 km²
LONG 110 01 05 W REGULATED SINCE 1973

R - REVISED SINCE JAN 1980

BATTLE RIVER NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05FE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	53.2 AT 20:08 CST ON APR 15	46.38 ON APR 15	0.1928 ON FEB 20 *	233 000	1980
1981	---	33.88 ON APR 5	1.23 B ON FEB 15	210 000	1981
1982	87.8 AT 18:21 CST ON MAY 13	87.8 ON MAY 13	1.03 B ON JAN 5	391 000	1982
1983	78.4 AT 10:12 CST ON JUL 9 *	78.7 ON JUL 9 *	1.27 B ON DEC 30	359 000	1983
1984	---	21.08 ON APR 6	0.485 ON SEP 7	104 000	1984
				259 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0.283	0.352	1.97	0.402	0.004	0	0	0	---	---	0.378	1967
1968	---	---	0.081	0.084	0.238	0.136	0.032	0	0.054	0.036	---	---	0.081	1968
1969	---	---	0.284	0.307	0.083	0.022	0.041	0	0	0	---	---	0.087	1969
1970	---	---	0.007	0.038	0.200	0.229	0.021	0	0	0	---	---	0.082	1970
1971	---	---	0.038	0.188	0.114	0.255	0.005	0	0	0	---	---	0.070	1971
1972	---	---	0.142	0.067	0.044	0.003	0	0	0	0	---	---	0.032	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0.008	0.001	0.150	0.082	0	0	0	0	---	---	0.027	1974
1975	---	---	0	0.408	1.38	0.825	0.102	0.012	0.001	0.013	---	---	0.383	1975
1976	---	---	0.118	0.072	0.088	0.058	0.010	0	0	0	---	---	0.043	1976
1977	---	---	0	0.018	0.004	0	0	0	0	0	---	---	0.002	1977
1978	---	---	0.853	0.270	0.378	0.078	0.040	0	0.011	0.019	---	---	0.220	1978
1979	---	---	0.578	0.544	0.872	0.051	0	0	0	0	---	---	0.231	1979
1980	---	---	0.008	0.018	0.010	0.007	0	0	0	0	---	---	0.005	1980
1981	---	---	0.001	0	0.283	0.058	0.020	0	0	0	---	---	0.047	1981
1982	---	---	0.058	0.188	0.085	0.884	0.089	0	0	0	---	---	0.123	1982
1983	---	---	0.050	0.028	0.208	0.041	0.027	0	0	0	---	---	0.048	1983
1984	---	---	0	0.005	0.010	0	0	0	0	0	---	---	0.002	1984
MEAN	---	---	0.143	0.142	0.328	0.187	0.021	0.001	0.003	0.007	---	---	0.102	MEAN

LOCATION - LAT 49 01 30 N DRAINAGE AREA, 87.3 km²
LONG 111 12 48 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

BEAR CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	0 ON AUG 28 *	---	1966
1967	9.28 AT 04:30 MST ON MAY 8	8.40 ON MAY 8 *	0 ON JUL 7	6 000	1967
1968	0.823 AT 19:45 MST ON MAY 25	0.413 ON MAY 13	0 ON JUL 22	1 940	1968
1969	1.34 B AT 07:00 MST ON MAR 18	1.27 B ON MAR 18	0B ON MAR 7	1 840	1969
1970	1.47 AT 02:57 MST ON JUN 18	1.31 ON JUN 18	0 ON MAR 1	1 300	1970
1971	2.88 A ON JUN 7	1.83 A ON JUN 8	0 ON JUL 18	1 490	1971
1972	1.09 AT 18:00 MST ON MAR 10	0.888 ON MAR 11	0 ON MAR 1	879	1972
1973	---	0.003 ON MAR 1	0 ON MAR 3	0.35	1973
1974	0.831 AT 05:05 MST ON MAY 28	0.588 ON MAY 28	0 ON MAR 4	580	1974
1975	10.0 AT 08:30 MST ON JUN 20 *	5.47 ON JUN 20	0 ON MAR 1	7 480	1975
1976	0.940 AT 17:50 MST ON MAR 18	0.833 ON MAR 18	0 ON JUL 22	908	1976
1977	0.184 AT 09:35 MST ON APR 8	0.128 ON APR 7	0E ON MAR 1	61.6	1977
1978	---	4.38 B ON MAR 21	0B ON MAR 1	4 880	1978
1979	6.11 B AT 19:50 MST ON MAR 7	3.77 B ON MAR 7	0 ON JUN 30	4 890	1979
1980	---	0.182 ON APR 18	0B ON MAR 1	104	1980
1981	1.07 AT 04:55 MST ON MAY 18	0.991 ON MAY 18	0 ON MAR 1	982	1981
1982	4.74 AT 19:55 MST ON JUN 1	3.55 ON JUN 4	0E ON MAR 1	2 820	1982
1983	0.876 AT 23:10 MST ON MAY 18	0.828 ON MAY 19	0 ON JUL 30	947	1983
1984	0.382 AT 14:30 MST ON MAY 15	0.052 ON MAY 15	0 ON MAR 1	38.6	1984
				2 150	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAR RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	0	0	0	5.38	8.07	4.13	8.88	3.87	2.02	1.18	0.813	0.464	2.87	1983
1984	0.480	0.314	0.673	0.230	1.08	2.08	1.20	0.048	0.024	0.083	0.007	0	0.517	1984
MEAN	0.230	0.157	0.337	2.81	3.58	3.11	4.05	1.88	1.02	0.637	0.410	0.227	1.84	MEAN

LOCATION - LAT 55 12 00 N LONG 118 50 08 W
DRAINAGE AREA, 1 510 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BEAR RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	18.7 AT 10:52 MST ON APR 17 *	18.4 ON APR 17 *	0B ON JAN 1 *	91 100	1983
1984	8.21 AT 08:00 MST ON JUN 8	8.76 ON JUN 8	0 ON AUG 22	18 300	1984
				48 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	2.80	1.94	1.81	---	---	---	0.454	---	---	---	1978
1979	---	---	---	---	1.13	0.667	0.225	0.174	0.087	---	---	---	---	1979
1980	---	---	---	---	0.479	---	---	0.301	0.109	0.217	---	---	---	1980
1981	---	---	---	0.872	4.05	0.991	5.32	2.35	0.586	---	---	---	---	1981
1982	---	---	---	---	1.55	1.40	3.81	0.788	0.363	0.422	---	---	---	1982
1983	---	---	---	2.58	1.40	0.458	1.53	0.186	0.109	0.109	---	---	0.923	1983
1984	---	---	---	---	0.271	1.20	0.038	0.026	0.132	0.136	---	---	---	1984
MEAN	---	---	---	1.98	1.55	1.09	2.14	0.834	0.239	0.268	---	---	0.923	MEAN

LOCATION - LAT 51 48 25 N LONG 114 42 30 W
DRAINAGE AREA, 227 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BEARBERRY CREEK NEAR SUNDRE - STATION NO. 05CA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	---	---	1978
1979	5.44 AT 03:30 MST ON JUN 21	5.108 ON APR 27	---	---	1979
1980	---	---	---	---	1980
1981	88.3 AT 22:37 MDT ON JUL 30 *	41.0 ON JUL 31 *	---	---	1981
1982	33.7 AT 07:54 MST ON JUL 5	24.8 ON JUL 5	---	---	1982
1983	42.3 AT 18:23 MST ON APR 25	25.4 ON APR 25	0.059 ON SEP 8 *	17 100	1983
1984	10.9 AT 16:55 MST ON JUN 9	9.28 ON JUN 9	---	---	1984
				17 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.142	0.317	0.111	0.062	0.017	0	0	0.011	---	---	0.082	1921
1922	---	---	0.060	0.272	0.313	0.175	0.169	0.033	0.013	0.018	---	---	0.131	1922
1923	---	---	0.089	0.147	0.376	8.43	2.27	0.479	0.188	0.118	---	---	1.25	1923
1924	---	---	0.106	0.439	0.221	0.589	0.483	0.227	0.082	0.084	---	---	0.275	1924
1925	---	---	0.721	0.772	0.436	0.347	0.141	0.084	0.058	0.117	---	---	0.334	1925
1926	---	---	---	---	0.256	0.547	0.298	0.153	0.053	0.087	---	---	---	1926
1927	---	---	0.689	0.748	4.22	3.77	0.801	0.301	0.180	0.148	---	---	1.38	1927
1928	---	---	0.335	0.382	0.180	0.158	0.073	0.056	0.207	0.228	---	---	0.202	1928
1929	---	---	1.15	1.15	0.467	0.540	0.794	0.154	0.088	0.103	---	---	0.581	1929
1970	---	---	0.028	0.184	0.291	0.405	0.250	0.088	0.072	0.078	---	---	0.181	1970
1971	---	---	0.119	0.403	0.141	0.277	0.100	0.013	0.022	0.041	---	---	0.138	1971
1972	---	---	1.40	1.03	1.19	0.858	0.414	0.182	0.117	0.127	---	---	0.888	1972
1973	---	---	0.157	0.188	0.181	0.188	0.034	0.010	0.018	0.028	---	---	0.101	1973
1974	---	---	1.06	0.809	0.712	0.648	0.277	0.191	0.088	0.077	---	---	0.482	1974
1975	---	---	0.083	0.711	0.885	1.50	0.818	0.378	0.189	0.137	---	---	0.883	1975
1976	---	---	0.603	0.227	0.136	0.148	0.081	0.858	0.236	0.158	---	---	0.301	1976
1977	---	---	0.184	0.131	0.081	0.028	0.004	0.012	0.025	0.028	---	---	0.087	1977
1978	---	---	1.30	0.370	0.807	1.05	0.821	0.322	0.271	0.184	---	---	0.875	1978
1979	---	---	0.560	0.700	1.08	0.510	0.188	0.088	0.084	0.068	---	---	0.402	1979
1980	---	---	0.150	0.226	0.088	0.118	0.020	0.008	0.018	0.031	---	---	0.082	1980
1981	---	---	0.095	0.088	0.462	0.704	0.332	0.136	0.050	0.068	---	---	0.238	1981
1982	---	---	0.078	0.242	0.088	0.100	0.048	0	0	0.008	---	---	0.087	1982
1983	---	---	0.074	0.083	0.055	0.024	0.013	0	0	0	---	---	0.031	1983
1984	---	---	0.038	0.052	0.018	0.008	0	0	0	0	---	---	0.014	1984
MEAN	---	---	0.388	0.408	0.521	0.800	0.352	0.181	0.084	0.078	---	---	0.382	MEAN

LOCATION - LAT 49 38 31 N LONG 113 47 38 W
DRAINAGE AREA, 288 km²
NATURAL FLOW

BEAVER CREEK NEAR BROCKET - STATION NO. 05AB013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.8508 ON APR 2	0 ON JUL 11 *	1 760	1921
1922	---	1.08 ON APR 28	0 B ON MAR 1	2 780	1922
1923	15.7 ON JUN 1	14.5 ON JUN 1 *	0.0238 ON MAR 10	25 600	1923
1924	---	3.23 ON APR 7	0.082 ON OCT 30	5 830	1924
1925	---	3.40 B ON MAR 27	0.011 ON SEP 4	7 080	1925
1926	---	0.682 ON JUN 5	---	---	1926
1927	14.6 AT 19:15 MST ON MAY 8	8.78 ON MAY 8	0 B FR MAR 11	25 800	1927
1928	0.880 AT 22:50 MST ON SEP 23	0.851 ON SEP 28	0.024 ON AUG 5	4 280	1928
1929	---	4.42 B ON MAR 17	0.0378 ON MAR 1	11 900	1929
1970	1.85 AT 01:40 MST ON JUN 14	1.55 ON JUN 14	0 B ON MAR 1	3 830	1970
1971	1.50 AT 00:00 MST ON JUN 8	0.9239 ON MAR 20	0 ON AUG 15	2 840	1971
1972	---	5.85 ON MAR 15	0.0088 ON MAR 1	14 100	1972
1973	0.828 AT 22:45 MST ON APR 25	0.478 ON MAY 25	0 ON AUG 5	2 140	1973
1974	21.4 B AT 17:20 MST ON MAR 27	8.81 B ON MAR 27	0.0148 ON MAR 4	9 780	1974
1975	8.88 AT 01:00 MST ON JUN 20	6.20 ON JUN 20	0.0228 ON MAR 15	12 800	1975
1976	28.5 AT 05:20 MST ON AUG 5 *	6.83 ON AUG 5	0.0088 ON MAR 2	8 370	1976
1977	0.880 AT 22:30 MST ON APR 5	0.378 ON APR 6	0 ON JUL 7	1 200	1977
1978	---	4.22 B ON MAR 17	0.0028 ON MAR 1	12 200	1978
1979	2.41 B AT 16:10 MST ON MAR 10	1.88 B ON MAR 10	0.0038 ON MAR 3	6 490	1979
1980	---	0.7048 ON MAR 1	0 ON JUL 28	1 740	1980
1981	3.25 AT 03:30 MST ON JUN 14	2.84 ON JUN 14	0.032 ON SEP 19	5 000	1981
1982	1.07 AT 21:45 MST ON APR 12	0.843 ON APR 12	0 B ON MAR 1	1 410	1982
1983	---	0.1858 ON MAR 10	0 ON AUG 2	854	1983
1984	0.148 AT 14:25 MST ON APR 18	0.083 ON APR 8	0 ON JUN 30	299	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 480	MEAN

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	2.45	1.48	0.283	0.388	2.28	0.578	---	---	---	1911
1912	---	---	---	1.25	0.894	0.408	0.371	0.153	0.088	0.130	---	---	---	1912
1913	---	---	---	---	1.45	0.858	0.187	0.111	0.072	0.095	---	---	---	1913
1914	---	---	---	0.864	0.889	0.368	0.170	0.088	0.097	0.424	---	---	---	1914
1915	---	---	---	0.598	2.78	2.18	0.850	0.483	0.342	0.422	---	---	---	1915
1916	---	---	0.713	1.38	1.52	1.78	0.834	0.248	0.141	0.188	---	---	---	1916
MEAN	---	---	0.713	0.875	1.83	1.12	0.488	0.238	0.805	0.301	---	---	---	MEAN

LOCATION - LAT 49 28 30 N DRAINAGE AREA, 62.4 km^2
LONG 114 09 30 W NATURAL FLOW

BEAVER MINES CREEK NEAR BEAVER MINES - STATION NO. 05AA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	7.42 ON MAY 15 *	---	---	1911
1912	---	2.49 ON APR 11	---	---	1912
1913	---	3.45 ON APR 21	---	---	1913
1914	---	1.27 ON APR 20	---	---	1914
1915	---	5.72 ON MAY 15	---	---	1915
1916	---	2.68 ON MAY 30	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.738	0.198	0.078	---	1975
1976	0.004	0	0.007	1.18	0.412	0.401	0.382	2.80	2.31	1.11	0.185	0.011	0.718	1976
1977	0	0	0.008	0.822	1.16	0.850	0.582	0.551	0.215	0.333	0.158	0.054	0.410	1977
1978	0.031	0.007	0	0.702	1.24	0.511	0.141	0.448	4.71	1.25	0.330	0.083	0.788	1978
1979	0.048	0.023	0.031	0.844	3.96	0.789	0.332	0.588	1.34	0.481	0.328	0.120	0.724	1979
1980	0.080	0.003	0.018	0.734	0.208	0.185	0.272	3.31	1.48	0.550	0.226	0.028	0.591	1980
1981	0.041	0.036	0.126	0.485	0.272	0.493	0.486	0.071	0.017	0.048	0.088	0.080	0.218	1981
1982	0.024	0.017	0.021	0.561	1.68	0.271	0.256	0.339	0.213	0.184	0.087	0.057	0.321	1982
1983	0.041	0.043	0.081	0.581	0.802	0.314	0.142	0.078	0.086	0.087	0.034	0.017	0.204	1983
1984	0.008	0.005	0.011	0.330	0.457	2.02	0.418	0.198	0.207	0.271	0.132	0.101	0.343	1984
MEAN	0.028	0.016	0.034	0.728	1.16	0.854	0.333	0.806	1.17	0.508	0.178	0.061	0.480	MEAN

LOCATION - LAT 58 56 29 N DRAINAGE AREA, 185 km^2
LONG 111 33 54 W NATURAL FLOW

BEAVER RIVER ABOVE SYNCRUDE - STATION NO. 07DA018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	22.3 AT 01:00 MST ON AUG 28	18.5 ON AUG 28	0 B ON JAN 10 *	22 700	1976
1977	---	2.639 ON APR 18	0 B ON JAN 1	12 900	1977
1978	20.3 AT 21:21 MST ON SEP 5	17.5 ON SEP 10	0 B ON FEB 26	24 700	1978
1979	9.91 AT 03:35 MST ON MAY 12	9.13 ON MAY 12	0.0208 ON FEB 12	22 800	1979
1980	22.7 AT 05:20 MST ON AUG 5 *	20.7 ON AUG 5 *	0 B ON FEB 13	18 700	1980
1981	1.46 AT 18:35 MST ON MAY 7	1.408 ON APR 30	0.001E ON SEP 18	8 930	1981
1982	3.18 AT 03:46 MST ON MAY 3	2.96 ON MAY 3	0.0168 ON FEB 15	10 100	1982
1983	2.87 AT 11:13 MST ON APR 23	2.108 ON APR 20	0.0108 ON DEC 30	8 440	1983
1984	15.4 AT 15:03 MST ON JUN 2	13.8 ON JUN 2	0.0058 ON JAN 11	10 900	1984
				15 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 09AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	---	---	---	---	10.2	3.33	2.11	---	1955
1956	2.18	2.98	2.80	77.8	95.1	80.3	111	49.6	41.1	41.0	23.0	9.30	43.2	1956
1957	4.76	3.84	3.08	30.2	38.7	18.1	15.0	12.7	11.3	18.1	13.1	6.85	14.7	1957
1958	5.75	5.07	4.95	88.8	52.4	19.8	7.73	3.50	7.39	10.8	5.92	2.03	17.6	1958
1959	1.29	1.11	2.25	17.1	14.0	16.2	26.9	11.8	42.2	33.8	23.1	7.14	16.4	1959
1960	3.83	0.812	1.67	37.0	87.5	76.9	71.4	97.0	77.6	40.7	26.5	15.5	43.3	1960
1961	10.2	7.04	6.28	43.2	78.4	31.9	24.5	32.3	7.49	4.16	4.92	2.01	21.4	1961
1962	1.80	1.84	2.38	36.4	89.9	284	145	87.0	37.7	28.5	23.3	10.4	60.4	1962
1963	7.07	5.52	5.53	115	112	44.5	20.0	9.81	7.45	5.89	2.48	1.42	28.0	1963
1964	0.888	0.804	1.70	16.2	32.1	12.3	6.10	10.5	21.8	20.2	8.24	3.50	11.2	1964
1965	3.68	3.37	2.89	26.5	85.0	118	53.8	15.5	29.7	18.4	11.2	7.44	31.4	1965
1966	3.25	3.59	4.90	46.2	34.7	46.5	20.4	16.9	26.0	10.4	7.55	4.42	18.9	1966
1967	4.58	4.07	3.75	17.2	72.6	23.6	10.3	10.6	3.93	3.43	3.90	1.84	13.4	1967
1968	1.30	1.80	3.81	12.3	7.89	6.29	4.03	4.25	11.6	24.2	10.6	3.20	7.61	1968
1969	1.84	1.85	3.78	80.4	60.8	25.2	11.9	13.8	14.6	24.6	11.3	6.97	21.5	1969
1970	4.01	3.16	3.89	53.3	40.9	21.8	184	71.1	63.5	53.7	34.1	17.6	44.6	1970
1971	11.6	8.80	8.69	112	100	57.2	137	47.7	18.2	11.6	8.13	5.25	44.3	1971
1972	3.58	3.72	4.36	40.4	77.0	20.2	8.72	7.57	8.02	7.00	4.43	2.19	18.5	1972
1973	2.84	3.58	2.51	16.4	21.4	53.4	39.4	50.3	64.5	46.1	27.1	17.8	27.9	1973
1974	10.9	8.81	8.67	184	248	81.0	45.1	23.9	21.8	19.8	12.3	7.81	53.7	1974
1975	8.20	8.45	8.00	42.0	82.7	58.5	82.8	39.0	38.1	19.4	11.3	8.02	33.4	1975
1976	7.80	8.89	8.08	38.1	17.5	18.0	65.1	28.5	26.7	13.4	8.82	3.76	19.7	1976
1977	4.72	4.70	4.33	21.3	33.4	25.5	15.3	20.7	14.3	22.1	10.2	4.88	15.2	1977
1978	4.88	4.88	5.48	33.0	40.3	85.7	20.3	9.79	32.7	29.8	11.2	7.35	23.8	1978
1979	8.82	9.13	8.18	40.4	81.6	88.1	41.4	19.6	18.3	13.7	8.14	4.53	26.3	1979
1980	3.80	3.03	3.05	32.8	12.5	7.41	4.84	29.4	31.8	27.7	11.7	5.89	14.5	1980
1981	4.80	4.78	9.84	24.5	15.5	8.98	23.7	9.25	3.86	2.98	2.70	2.18	9.38	1981
1982	1.80	1.40	1.88	12.4	28.0	11.2	10.3	7.03	4.72	3.47	2.27	1.90	7.02	1982
1983	2.09	1.83	2.13	8.73	8.56	7.24	18.3	11.3	5.77	8.53	4.55	3.04	6.75	1983
1984	1.88	2.08	3.87	15.7	18.7	46.4	15.0	6.56	5.88	7.78	7.08	4.32	11.1	1984
MEAN	4.45	3.90	4.51	44.3	58.7	48.8	42.1	26.1	23.6	19.3	11.4	6.02	24.2	MEAN

LOCATION - LAT 54 31 20 N
LONG 110 13 00 W
DRAINAGE AREA, 14 500 km^2
NATURAL FLOW

BEAVER RIVER AT COLD LAKE RESERVE - STATION NO. 08AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	---	---	---	1955
1956	---	214 ON APR 26	1.95 B ON JAN 1	1 360 000	1956
1957	---	82.4 ON APR 27	2.10 B ON MAR 1	464 000	1957
1958	118 AT 14:00 MST ON APR 11	116 ON APR 11	1.78 B ON DEC 20	555 000	1958
1959	62.8 AT 06:30 MST ON SEP 8	62.6 ON SEP 9	0.9638 ON FEB 17	518 000	1959
1960	---	154 ON AUG 3	0.5668 ON FEB 17	1 370 000	1960
1961	105 AT 18:00 MST ON APR 28	105 ON APR 28	1.68 B ON DEC 28	675 000	1961
1962	617 AT 03:00 MST ON JUN 13 *	612 ON JUN 13 *	1.65 B ON JAN 2	1 920 000	1962
1963	---	275 ON APR 19	1.03 B ON DEC 20	884 000	1963
1964	---	41.9 ON MAY 14	0.3668 ON FEB 14 *	364 000	1964
1965	---	159 ON JUN 7	2.06 B ON MAR 30	989 000	1965
1966	---	73.3 ON APR 10	2.66 B ON FEB 4	596 000	1966
1967	---	101 B ON MAY 1	1.30 ON DEC 31	423 000	1967
1968	---	36.2 ON OCT 1	1.18 B ON JAN 10	241 000	1968
1969	---	162 ON APR 20	1.44 B ON FEB 28	677 000	1969
1970	263 AT 12:38 MST ON JUL 10	261 ON JUL 10	3.00 B ON FEB 17	1 410 000	1970
1971	276 AT 18:00 MST ON APR 20	266 ON APR 25	3.54 B ON DEC 25	1 400 000	1971
1972	110 AT 10:30 MST ON MAY 3	108 ON MAY 3	1.64 B ON DEC 14	488 000	1972
1973	104 AT 08:30 MST ON JUN 23	103 ON JUN 22	1.78 B ON MAR 11	881 000	1973
1974	---	394 A ON APR 26	8.71 ON DEC 31	1 700 000	1974
1975	159 B AT 23:00 MST ON APR 25	135 ON APR 26	5.55 B ON APR 3	1 050 000	1975
1976	99.7 AT 15:00 MST ON JUL 20	98.1 ON JUL 20	3.40 B ON DEC 15	624 000	1976
1977	70.5 AT 00:00 MST ON APR 17	51.3 ON MAY 31	4.02 B ON JAN 1	479 000	1977
1978	171 AT 04:00 MST ON JUN 6	166 ON JUN 6	4.84 B ON MAR 1	750 000	1978
1979	205 B AT 09:50 MST ON APR 26	181 B ON APR 26	4.05 B ON DEC 30	831 000	1979
1980	180 B AT 08:45 MST ON APR 15	108 B ON APR 15	2.88 B ON MAR 2	457 000	1980
1981	37.4 AT 13:30 MST ON JUL 15	37.0 ON JUL 15	1.75 B ON DEC 31	288 000	1981
1982	48.6 AT 05:00 MST ON APR 29	47.7 ON APR 29	1.28 B ON FEB 27	221 000	1982
1983	---	28.0E ON AUG 1	1.85 B ON FEB 4	213 000	1983
1984	70.9 AT 16:37 MST ON JUN 7	70.5 ON JUN 7	1.80 B ON JAN 23	380 000	1984
				795 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	1.81	2.45	0.748	0.728	0.783	---	---	---	1961
1962	---	---	---	---	---	4.28	3.89	0.537	0.480	0.530	---	---	---	1962
1963	---	0.093	0.102	---	---	1.55	1.44	---	0.808	0.412	---	---	---	1963
1964	---	---	---	---	---	---	---	---	0.335	0.268	---	---	---	1964
1965	---	---	---	---	---	---	0.508	0.157	0.481	0.451	---	---	---	1965
1972	---	---	---	3.78	9.40	2.48	0.737	0.204	0.184	1.08	0.485	0.279	---	1972
1973	0.181	0.128	0.493	2.31	1.81	9.40	5.60	3.85	0.721	2.00	0.710	0.381	2.28	1973
1974	0.204	0.132	0.178	7.53	4.46	2.02	2.28	1.48	1.27	0.882	0.428	0.257	1.74	1974
1975	0.124	0.089	0.073	1.00	2.68	3.77	7.84	1.83	3.35	1.84	0.291	0.087	1.93	1975
MEAN	0.170	0.111	0.212	3.85	4.59	3.58	3.84	1.21	0.938	0.874	0.471	0.241	1.98	MEAN

LOCATION - LAT 57 08 00 N LONG 111 38 00 W DRAINAGE AREA, 454 km^2 REGULATED SINCE 1975

BEAVER RIVER NEAR FORT MACKAY - STATION NO. 07DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1972	---	---	---	---	1972
1973	---	20.2 ON JUN 18	0.0885 ON FEB 23	71 400	1973
1974	---	21.1 ON APR 19	0.110 ON FEB 8	84 800	1974
1975	---	54.1 ON JUL 18 *	0.0625 ON DEC 8 *	80 700	1975
				82 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BEAVER RIVER NEAR GODDRIDGE - STATION NO. 06AA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	0.331	0.440	0.427	---	---	---	1967
1968	---	---	1.66	3.37	1.18	1.19	0.372	0.470	1.15	1.94	---	---	1.20	1968
1969	---	---	---	---	13.2	4.68	1.42	2.79	4.84	5.25	---	---	---	1969
1970	---	---	0.401	20.7	8.48	3.31	43.6	21.1	12.8	11.0	---	---	15.2	1970
1971	---	---	2.85	54.4	33.8	33.1	44.6	14.1	8.16	2.82	---	---	22.8	1971
1972	---	---	0.598	17.3	22.4	8.16	2.68	1.89	1.36	1.15	---	---	6.70	1972
1973	---	---	0.515	3.19	2.96	13.5	4.22	8.81	5.22	4.87	---	---	5.11	1973
1974	---	---	1.89	54.9	51.8	16.3	11.2	8.45	5.08	4.29	---	---	18.8	1974
1975	---	---	1.61	14.8	15.4	7.44	17.0	7.48	16.0	8.15	---	---	10.7	1975
1976	---	---	2.06	14.4	6.11	2.88	7.60	1.61	1.17	0.841	---	---	4.42	1976
1977	---	---	0.858	10.0	14.8	7.87	3.01	2.38	2.72	7.58	---	---	5.94	1977
1978	---	---	2.14	20.0	13.3	37.8	8.84	2.47	18.7	12.8	---	---	14.0	1978
1979	---	---	3.82	28.0	32.8	20.2	17.7	7.71	4.41	2.18	---	---	14.3	1979
1980	---	---	0.804	11.8	2.17	1.80	0.844	3.89	3.08	2.85	---	---	3.33	1980
1981	---	---	4.26	8.98	3.37	1.88	2.73	1.11	0.343	0.174	---	---	2.85	1981
1982	---	---	0.233	4.84	2.88	0.586	0.276	0.155	0.078	0.060	---	---	1.08	1982
1983	---	---	0.029	1.74	0.524	2.11	8.83	2.80	3.43	1.85	---	---	2.33	1983
1984	---	---	2.15	9.36	3.78	14.0	1.82	0.336	0.486	0.864	---	---	3.53	1984
MEAN	---	---	1.67	18.9	13.4	9.87	10.0	4.85	4.80	3.71	---	---	8.27	MEAN

LOCATION - LAT 54 28 08 N DRAINAGE AREA, 6 710 km²
LONG 111 22 00 W NATURAL FLOW

BEAVER RIVER NEAR GODDRIDGE - STATION NO. 06AA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	---	7.368 ON MAR 27	0.1428 ON MAR 1	27 200	1968
1969	---	---	---	---	1969
1970	78.6 AT 12:20 MST ON JUL 8	78.0 ON JUL 8	0.2838 ON MAR 1	322 000	1970
1971	127 AT 00:30 MST ON APR 22	126 ON APR 22	1.77 B ON OCT 27	475 000	1971
1972	34.6 AT 02:20 MST ON APR 28	34.3 ON APR 27	0.3678 ON MAR 25	142 000	1972
1973	35.7 AT 10:20 MST ON JUN 20	35.4 ON JUN 20	0.1138 ON MAR 1	108 000	1973
1974	148 AT 23:00 MST ON APR 18 *	143 ON APR 20 *	1.27 B ON APR 6	400 000	1974
1975	58.8B AT 20:00 MST ON APR 23	42.6 ON APR 24	1.33 B ON MAR 24	226 000	1975
1976	---	23.8 B ON APR 5	0.875 ON OCT 7	83 600	1976
1977	28.2 AT 18:15 MST ON MAY 20	28.0 ON MAY 20	0.6238 ON MAR 22	128 000	1977
1978	84.3 AT 18:15 MST ON JUN 3	82.8 ON JUN 3	0.1508 ON MAR 21	296 000	1978
1979	74.6B AT 19:30 MST ON APR 23	71.2 ON APR 24	1.80 ON OCT 25	303 000	1979
1980	28.0B AT 12:30 MST ON APR 13	26.5 B ON APR 13	0.344 ON JUL 22	70 600	1980
1981	14.3B AT 12:55 MST ON APR 1	14.2 B ON APR 1	0.100 ON OCT 21	60 300	1981
1982	---	15.8 B ON APR 25	0.0048 ON MAR 1 *	22 800	1982
1983	18.5 AT 12:21 MST ON JUL 25	15.4 ON JUL 25	0.0058 ON MAR 1	48 300	1983
1984	23.9 AT 13:14 MST ON JUN 4	22.8 ON JUN 4	0.030 ON AUG 30	74 700	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		175 000	MEAN

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	0.001	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0	0.001	0.004	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.043	0.005	0.003	0.001	0	0.004	0	0	---	---	0.007	1978
1979	---	---	0.049	0.018	0.008	0.002	0	0	0	0	---	---	0.010	1979
1980	---	---	0	0.010	0.006	0.003	0	0	0	0	---	---	0.002	1980
1981	---	---	0	0	0.003	0.008	0.031	0.023	0.015	0.011	---	---	0.012	1981
1982	---	---	0.011	0.006	0.010	0.012	0.012	0.006	0.005	0.003	---	---	0.018	1982
1983	---	---	0.007	0.017	0.002	0.001	0.002	0	0	0	---	---	0.004	1983
1984	---	---	0	0	0	0.003	0	0	0	0	---	---	0	1984
MEAN	---	---	0.014	0.018	0.004	0.004	0.005	0.004	0.002	0.002	---	---	0.007	MEAN

LOCATION - LAT 51 21 45 N DRAINAGE AREA, 45.3 km²
LONG 114 26 30 W NATURAL FLOW

BEAVERDAM CREEK NEAR COCHRANE - STATION NO. 05CB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	---	0 ON APR 15 *	---	1976
1977	---	0.023 ON MAY 18	0 ON MAR 1	11.4	1977
1978	0.595 AT 01:00 MST ON MAR 28 *	0.309 ON MAR 28	0B ON MAR 1	152	1978
1979	---	0.1908 ON MAR 13	0B ON MAR 1	210	1979
1980	0.1118 AT 12:00 MST ON APR 8	0.0818 ON APR 8	0B ON MAR 1	48.2	1980
1981	0.537 AT 02:00 MST ON JUL 30	0.401 ON JUL 30 *	0 ON MAR 1	248	1981
1982	---	0.2328 ON APR 11	0B ON MAR 1	412	1982
1983	0.328 AT 10:23 MST ON APR 28	0.135 ON APR 28	0B ON MAR 1	78.2	1983
1984	0.067 AT 04:23 MST ON JUN 8	0.046 ON JUN 8	0A ON MAR 1	10.1	1984
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		146	MEAN

BEAVERHILL CREEK NEAR MUNDARE - STATION NO. 05EB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	0.154	0.082	0.013	---	---	---	---	---	---	1919
1920	---	---	---	---	0.009	---	---	---	---	---	---	---	---	1920
1925	---	---	---	0.143	0.004	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	0.143	0.055	0.082	0.013	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 34 00 N DRAINAGE AREA, 2 110 km²
LONG 112 30 00 W NATURAL FLOW

BEAVERHILL CREEK NEAR MUNDARE - STATION NO. 05EB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	---	---	---	1919
1920	---	---	0B ON APR 30 *	---	1920
1925	---	0.789 ON APR 15 *	0 ON APR 1	---	1925
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0.003	2.40	0.444	0.081	0.188	0.171	0.045	0.005	---	---	0.410	1975
1976	---	---	0.019	0.255	0.011	0.010	0.008	0	0	0	---	---	0.037	1976
1977	---	---	0.032	1.22	1.95	0.302	0.184	0.030	0.005	0.008	---	---	0.467	1977
1978	---	---	0.266	1.75	0.091	0.057	0	0.020	1.71	0.134	---	---	0.498	1978
1979	---	---	2.61	3.18	0.387	0.026	0.103	0.003	0	0.011	---	---	0.788	1979
1980	---	---	0.003	2.78	0.018	0.009	0	0.182	0.023	0.024	---	---	0.389	1980
1981	---	---	3.39	0.933	0.053	0.053	0.051	0.002	0	0.003	---	---	0.584	1981
1982	---	---	0	5.38	1.10	0.011	3.04	0.290	0.019	0.019	---	---	1.23	1982
1983	---	---	0.028	0.329	0.032	3.90	5.02	0.138	0.005	0.045	---	---	1.31	1983
1984	---	---	0.804	0.296	0.032	0.032	0.018	0	0.014	0.030	---	---	0.154	1984
MEAN	---	---	0.716	1.85	0.412	0.446	0.861	0.081	0.183	0.028	---	---	0.583	MEAN

LOCATION - LAT 53 53 21 N DRAINAGE AREA, 2 930 km²
LONG 112 56 57 W NATURAL FLOW

BEAVERHILL CREEK NEAR THE MOUTH - STATION NO. 05EB015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	8.218 ON APR 22	0 ON JUN 13 *	8 680	1975
1976	---	1.488 ON APR 5	0 ON MAY 7	787	1976
1977	---	10.6 ON MAY 30	0 ON JUN 21	9 880	1977
1978	---	4.79 ON SEP 20	0 ON JUN 28	10 500	1978
1979	---	9.008 ON MAR 23	0E ON AUG 14	18 700	1979
1980	15.7 B AT 00:25 MST ON APR 14	13.0 B ON APR 14	0B ON MAR 1	7 810	1980
1981	12.2 AT 10:00 MST ON MAR 18	11.4 B ON MAR 18	0 ON JUN 25	11 900	1981
1982	26.1 AT 07:10 MST ON APR 27	24.6 ON APR 27	0B ON MAR 1	25 000	1982
1983	78.7 AT 01:10 MST ON JUN 26 *	34.1 ON JUN 26 *	0 ON MAY 28	27 700	1983
1984	4.88 AT 13:30 MST ON MAR 28	4.028 ON MAR 29	0 ON JUL 3	3 250	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 300	MEAN

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	6.55	5.99	3.72	14.7	1.78	0.604	0.223	0.427	---	---	---	1968
1969	---	---	0.007	26.1	16.6	1.79	0.823	0.022	2.44	2.80	---	---	---	1969
1970	---	---	4.12	14.5	7.60	2.01	0.125	0.001	0	0.006	---	---	---	1970
1971	---	---	0	5.45	4.30	15.1	21.4	2.03	0.282	0.533	---	---	---	1971
1972	---	---	4.86	21.4	23.9	5.88	0.880	0.263	0.134	3.89	---	---	---	1972
1973	---	---	0.156	27.9	11.3	2.11	0.220	0.016	0.009	0.171	---	---	---	1973
1974	---	---	0.072	34.7	30.6	4.21	0.557	0.090	0.045	0.082	---	---	---	1974
1975	---	---	0.008	5.86	5.41	1.01	0.061	0	0	0	---	---	---	1975
1976	---	---	0.001	15.0	3.43	4.40	5.87	15.2	3.55	1.18	---	---	---	1976
1977	---	---	0.272	15.1	20.5	15.3	3.63	0.804	0.310	1.27	---	---	---	1977
1978	---	---	1.14	4.85	2.58	1.07	0.273	0.043	0.080	0.171	---	---	---	1978
1979	---	0	0.531	10.6	15.3	5.25	1.55	0.097	0.007	0.001	0.002	0.001	---	1979
1980	0	0	0.013	2.43	0.472	1.11	1.38	0.217	0.985	0.787	0.570	1.22	0.784	1980
1981	0.112	0.188	4.62	9.34	11.0	7.09	0.226	0.001	0	0	0.001	0.001	2.72	1981
1982	0	0	0	5.52	5.74	0.779	2.89	14.3	1.08	0.913	0.403	0.390	2.70	1982
1983	0.188	0.100	0.138	17.3	8.41	2.67	13.8	2.17	0.204	0.127	0.153	0.132	3.89	1983
1984	0.184	0.217	0.500	0.508	1.70	2.91	0.443	0.018	0.018	0.062	0.059	0.012	0.550	1984
MEAN	0.098	0.084	1.34	13.3	10.7	5.20	3.48	2.17	0.550	0.714	0.188	0.293	2.12	MEAN

LOCATION - LAT 55 11 21 N, LONG 119 26 05 W DRAINAGE AREA, 1 810 km² NATURAL FLOW

BEAVERLODGE RIVER NEAR BEAVERLODGE - STATION NO. 07GD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	51.5 AT 18:00 MST ON JUN 17	---	---	---	1968
1969	85.4 AT 03:00 MST ON APR 15	---	---	---	1969
1970	---	---	---	---	1970
1971	53.4 AT 02:00 MST ON JUL 18	---	---	---	1971
1972	59.7 E ON APR 30	---	---	---	1972
1973	52.6 AT 05:00 MST ON APR 11	---	---	---	1973
1974	104 AT 09:00 MST ON APR 25 *	---	---	---	1974
1975	---	---	---	---	1975
1976	48.8 AT 10:00 MST ON AUG 8	---	---	---	1976
1977	37.4 AT 07:15 MST ON MAY 10	---	---	---	1977
1978	7.08B AT 20:30 MST ON APR 19	---	---	---	1978
1979	46.8 AT 01:00 MST ON APR 28	46.8 ON APR 28	0 B ON FEB 1 *	---	1979
1980	18.8 B AT 18:30 MST ON DEC 18	13.5 B ON DEC 18	0 B ON JAN 1	24 200	1980
1981	19.8 AT 19:30 MST ON APR 24	19.2 ON APR 25	0 ON AUG 9	85 400	1981
1982	59.9 AT 09:30 MST ON AUG 3	52.8 ON AUG 3 *	0 B ON JAN 1	85 200	1982
1983	68.6 AT 23:00 MST ON APR 16	50.5 B ON APR 16	0.0828 ON FEB 21	123 000	1983
1984	7.80 AT 18:30 MST ON JUN 9	7.12 ON JUN 10	0 ON AUG 29	17 400	1984
				87 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BEAVERTAIL CREEK NEAR HYTHE - STATION NO. 07GD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	4.89	1.81	7.35	1.11	0.045	0.007	---	---	---	1983
1984	---	---	0.155	0.197	0.978	1.25	0.305	0.001	0.002	0.012	---	---	---	1984
MEAN	---	---	0.155	0.197	2.93	1.53	3.83	0.556	0.024	0.010	---	---	---	MEAN

LOCATION - LAT 55 16 57 N, LONG 119 36 25 W DRAINAGE AREA, 552 km² NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BEAVERTAIL CREEK NEAR HYTHE - STATION NO. 07GD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	12.6 AT 04:10 MST ON APR 28 *	12.4 ON APR 28 *	0 ON JUN 14 *	---	1983
1984	2.82 AT 14:30 MST ON JUN 10	2.76 ON JUN 10	0 ON AUG 17	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BEDDINGTON CREEK NEAR CALGARY - STATION NO. 05BN004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.042R	0.127R	0.011R	0.021R	0.021R	---	---	---	1982
1983	---	---	---	---	0.084	0.044	0.058	0.012	0.035	0.027	---	---	---	1983
1984	---	---	---	0.121	0.034	0.055	0.015	0.034	0.035	0.008	---	---	0.041	1984
MEAN	---	---	---	0.121	0.059	0.047R	0.067R	0.019R	0.034R	0.021R	---	---	0.041	MEAN

LOCATION - LAT 51 12 30 N, LONG 114 08 40 W NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT
R - REVISED SINCE JAN 1980

BEDDINGTON CREEK NEAR CALGARY - STATION NO. 05BH804

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	---	---	---	---	1983
1984	---	0.250B ON APR 1 *	0.002 ON AUG 27 *	783	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		783	MEAN

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	0	0	0	0	0	5.50	3.72	0	0	0	0	0	0.788	1959
1960	0	0	0	0	0.002	0	3.87	2.74	1.21	0.024	1.04	1.18	0.846	1960
1961	0.828	0.788	1.07	2.81	9.41	18.5	8.31	1.43	1.13	3.01	0.041	0.026	3.77	1961
1962	0.028	0.008	0.088	0.081	11.2	18.8	6.81	2.74	0.996	4.22	3.84	2.21	4.26	1962
1963	0.013	0.031	0.048	2.77	11.8	29.3	---	---	---	0.611	1.54	1.29	---	1963
1964	0.869	0.843	1.30	3.66	2.20	3.95	0.579	1.70	2.27	5.07	1.33	0	1.94	1964
1965	0	0.002	0.008	0.088	6.03	8.10	7.13	4.52	1.77	0	0	0	2.32	1965
1966	0	0	0.018	0	1.22	5.84	4.39	0.188	0.088	0	0	0	1.06	1966
1967	0	0	0	0	0	0	5.00	2.86	0	0.036	2.60	2.01	1.06	1967
1968	1.59	1.85	2.82	2.74	16.6	16.1	18.3	5.06	0	0	0	0	5.37	1968
1969	0	0	0	0	0	3.53	5.65	8.20	16.6	1.32	0	0	2.96	1969
1970	0	0	0	0	0	12.7	17.1	13.6	0.588	0	0	0	3.70	1970
1971	0	0	0	0	0	4.03	24.6	20.5	8.67	0	0	0	5.07	1971
1972	0	0	0	0	0	1.98	18.3	1.64	12.7	11.5	4.76	0	4.25	1972
1973	0	0	0	0	28.7	34.1	21.9	14.9	3.92	1.23	1.35	0	8.72	1973
1974	0	0	0	0	0	4.41	14.6	8.23	4.85	12.0	0	0	3.53	1974
1975	0	0	0	0	0	0.935	15.0	18.4	4.80	2.18	9.19	0	4.23	1975
1976	---	---	---	0	0	18.4	27.6	2.71	4.12	4.62	0.110	---	---	1976
1977	0	0	0	5.84	48.0	40.9	10.5	17.3	21.8	8.35	0	0	12.6	1977
1978	0	0	0	2.79	8.25	7.83	9.51	7.87	6.67	0.343	0	0	3.83	1978
1979	0	0	0	0	0.441	20.3	34.3	11.7	7.73	2.94	0.272	0	8.81	1979
1980	0	0	0.314	18.4	44.0	14.9	17.6	13.4	12.4	6.87	0	0	10.7	1980
1981	0	1.80	7.02	12.8	11.8	8.36	36.4	16.1	12.8	22.6	0.800	0	10.9	1981
1982	0	0	0	0.536	27.9	12.5	21.5	23.3	6.56	2.60	0	0	8.01	1982
1983	0	0	0.141	14.9	16.1	54.9	40.0	23.1	5.83	1.35	0	0	13.1	1983
1984	0	0	1.27	18.4	43.6	55.7	47.3	23.6	9.07	15.2	0	0	17.8	1984
MEAN	0.114	0.188	0.564	3.15	10.9	15.7	15.7	9.75	5.77	4.18	1.03	0.288	5.72	MEAN

LOCATION - LAT 49 20 10 N
LONG 113 33 07 W REGULATED SINCE 1959

BELLY - ST. MARY DIVERSION CANAL - STATION NO. 05AD021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	16.2 ON JUN 28	0 ON JAN 1 *	24 300	1959
1960	---	8.41 ON JUL 19	0 ON JAN 1	25 800	1960
1961	---	33.7 ON JUN 9	0 ON AUG 23	119 000	1961
1962	---	23.2 ON JUN 19	0B ON JAN 27	134 000	1962
1963	---	44.2 ON JUN 11	---	---	1963
1964	---	43.8 ON JUN 15	0B ON JAN 22	61 300	1964
1965	---	10.1 ON MAY 14	0B ON JAN 1	73 300	1965
1966	---	7.67 ON JUN 5	0 ON JAN 1	33 400	1966
1967	---	8.30 ON JUL 20	0 ON JAN 1	33 300	1967
1968	---	36.5 ON MAY 24	0 ON AUG 22	170 000	1968
1969	---	28.3 ON AUG 28	0 ON JAN 1	93 300	1969
1970	---	29.9 ON JUN 12	0 ON JAN 1	117 000	1970
1971	---	38.0 ON JUL 2	0 ON JAN 1	160 000	1971
1972	---	36.5 ON JUL 15	0 ON JAN 1	134 000	1972
1973	---	47.0 ON JUN 10	0E ON JAN 1	275 000	1973
1974	---	28.2 ON OCT 16	0E ON JAN 1	111 000	1974
1975	---	28.7 A ON NOV 8	0 ON JAN 1	133 000	1975
1976	---	47.8 ON JUL 9	---	---	1976
1977	---	49.8 ON MAY 4	0 ON JAN 1	398 000	1977
1978	---	24.0 ON MAY 3	0 ON JAN 1	114 000	1978
1979	---	42.4 ON JUN 28	0E ON JAN 1	208 000	1979
1980	---	57.4 ON MAY 22	0E ON JAN 1	338 000	1980
1981	---	48.8 ON JUL 21	0E ON JAN 1	344 000	1981
1982	---	40.9 ON MAY 19	0E ON JAN 1	283 000	1982
1983	---	58.7 ON JUN 9	0E ON JAN 1	412 000	1983
1984	---	61.4 ON JUN 22 *	0E ON JAN 1	561 000	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	180 000	MEAN

BELLY RIVER (NORTH BRANCH) AT INTERNATIONAL BOUNDARY - STATION NO. 05AD033

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	0.830	1.82	0.617	---	---	1947
1948	0.118	0.083	0.080	0.284	2.84	5.37	1.82	0.782	0.218	0.144	0.051	0.036	0.984	1948
1949	0.027	0.018	0.050	0.364	2.35	2.40	1.16	0.483	0.587	0.317	0.423	0.274	0.703	1949
1950	0.081	0.088	0.082	0.118	1.35	4.32	3.38	1.02	0.382	0.804	0.882	0.270	1.05	1950
1951	0.137	0.148	0.094	0.449	2.80	3.18	3.50	1.27	1.51	1.24	0.289	0.188	1.24	1951
1952	0.119	0.081	0.070	0.656	1.95	2.33	1.84	1.18	0.382	0.194	0.115	---	---	1952
1953	---	---	---	---	1.92	5.09	3.22	1.05	0.484	0.193	0.282	---	---	1953
1954	---	---	---	0.119	2.44	3.71	3.86	1.47	0.838	0.984	0.501	---	---	1954
1955	---	---	---	0.085	0.814	4.29	2.48	0.780	0.347	0.792	---	---	---	1955
MEAN	0.098	0.075	0.068	0.295	2.05	3.84	2.62	1.00	0.599	0.699	0.385	0.180	0.989	MEAN

LOCATION - LAT 48 59 20 N, LONG 113 45 50 W
DRAINAGE AREA, 25.1 km²
NATURAL FLOW
INTERNATIONAL GAUGING STATION

BELLY RIVER (NORTH BRANCH) AT INTERNATIONAL BOUNDARY - STATION NO. 05AD033

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1947	---	---	---	---	1947
1948	10.9 ON JUN 18	10.1 ON JUN 17	0.020B ON NOV 26	30 500	1948
1949	4.13 AT 02:00 MST ON MAY 28	3.91 ON MAY 28	0.014E ON FEB 11 *	22 200	1949
1950	7.19 AT 01:00 MST ON JUN 21	6.80 ON JUN 21	0.057E ON JAN 24	33 100	1950
1951	6.46 AT 03:30 MST ON JUN 15	6.17 ON JUN 15	0.079 ON MAR 25	38 100	1951
1952	3.89 AT 13:30 MST ON JUN 12	3.74 ON JUN 12	0.085B ON MAR 20	---	1952
1953	11.6 AT 13:00 MST ON JUN 3 *	10.4 ON JUN 4 *	---	---	1953
1954	6.51 AT 23:30 MST ON MAY 19	5.86 ON MAY 19	---	---	1954
1955	7.67 AT 08:00 MST ON JUN 25	7.25 ON JUN 25	---	---	1955
				31 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AD032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	20.3	17.9	13.1	5.34	5.15	10.7	4.49	2.41	---	1947
1948	1.87	1.59	1.40	3.80	19.0	31.5	11.0	5.05	2.75	1.62	1.06	0.887	6.85	1948
1949	0.558	0.549	1.31	3.98	17.8	15.4	5.15	4.62	4.30	3.00	4.80	2.91	5.61	1949
1950	1.47	1.61	2.04	2.54	13.7	31.9	21.8	8.01	3.70	7.49	5.23	4.09	8.78	1950
1951	2.85	2.58	1.87	3.83	21.8	21.6	22.0	8.85	8.38	8.31	3.08	2.43	8.12	1951
1952	1.34	1.31	1.05	8.50	15.4	15.0	10.5	7.18	3.47	1.95	1.14	1.01	5.50	1952
1953	2.05	2.10	1.08	3.39	17.3	34.6	19.9	8.25	4.09	2.09	2.78	1.88	8.29	1953
1954	1.16	1.40	1.44	2.44	20.5	25.6	24.4	9.82	6.71	8.51	4.31	2.51	8.98	1954
1955	1.73	1.12	0.817	1.84	8.80	27.3	17.2	8.98	3.37	8.84	4.44	2.30	8.88	1955
1956	1.54	1.10	1.31	3.98	20.0	23.7	15.0	7.00	3.86	3.97	2.44	1.70	7.14	1956
1957	1.27	1.27	1.25	2.02	26.3	19.8	8.47	4.07	2.83	---	---	---	---	1957
1958	---	---	---	---	---	19.3	9.85	5.37	3.56	3.75	2.61	---	---	1958
1959	---	---	---	---	---	29.6	15.9	8.84	8.85	8.29	4.12	2.58	---	1959
1960	---	---	---	---	---	20.5	12.7	5.95	3.80	2.17	1.84	---	---	1960
1961	---	---	---	---	---	26.8	10.5	5.18	3.82	5.84	2.45	---	---	1961
1962	---	---	---	---	---	18.0	10.1	5.78	3.80	4.29	3.80	---	---	1962
1963	---	---	---	---	---	24.4	13.1	5.48	3.43	2.85	2.23	1.85	---	1963
1964	1.28	1.07	---	---	---	48.3	16.1	5.79	4.18	---	---	---	---	1964
MEAN	1.58	1.43	1.34	3.39	18.2	25.1	14.4	6.51	4.45	5.01	3.23	2.15	7.48	MEAN

LOCATION - LAT 48 59 50 N, LONG 113 40 50 W
DRAINAGE AREA, 192 km²
NATURAL FLOW
INTERNATIONAL GAUGING STATION

BELLY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AD032

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1947	---	32.8 ON OCT 20	---	---	1947
1948	51.3 AT 14:00 MST ON JUN 17	47.9 ON JUN 17	0.510B ON DEC 14	217 000	1948
1949	27.5 AT 14:00 MST ON MAY 28	27.4 ON MAY 28	0.340B ON FEB 12 *	177 000	1949
1950	50.1 AT 09:00 MST ON JUN 23	48.8 ON JUN 22	0.891B ON FEB 7	278 000	1950
1951	44.5 AT 15:00 MST ON JUN 24	40.2 ON JUN 25	1.27 B ON MAR 8	288 000	1951
1952	21.3 AT 01:00 MST ON OCT 3	20.8 ON MAY 21	0.708B ON MAR 29	174 000	1952
1953	69.4 AT 12:00 MST ON JUN 4	58.6 ON JUN 4	0.556B ON JAN 8	281 000	1953
1954	48.7 AT 07:30 MST ON MAY 20	46.4 ON MAY 20	0.425B ON JAN 22	283 000	1954
1955	43.6 AT 11:00 MST ON JUN 25	43.0 ON JUN 25	0.425B ON MAR 24	217 000	1955
1956	49.3 AT 08:30 MST ON MAY 22	49.0 ON MAY 22	0.588B ON MAR 7	228 000	1956
1957	37.4 AT 08:00 MST ON MAY 8	36.5 ON MAY 8	0.850B ON FEB 21	---	1957
1958	35.1 AT 00:00 MST ON JUN 10	34.0 ON JUN 10	---	---	1958
1959	44.8 AT 01:00 MST ON JUN 6	43.6 ON JUN 6	---	---	1959
1960	38.0 AT 08:00 MST ON JUN 4	35.1 ON JUN 4	---	---	1960
1961	46.2 AT 00:30 MST ON MAY 27	45.3 ON MAY 27	---	---	1961
1962	22.4 AT 05:00 MST ON JUN 19	22.0 ON JUN 19	---	---	1962
1963	37.4 AT 01:30 MST ON JUN 11	36.0 ON JUN 11	---	---	1963
1964	340 AT 19:00 MST ON JUN 8 *	232 ON JUN 8 *	---	---	1964
				235 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR MOUNTAIN VIEW - STATION NO. 05AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	4.08	2.53	---	1911
1912	2.86	1.33	1.28	5.72	18.7	20.3	10.2	5.19	5.01	4.53	3.86	2.48	7.54	1912
1913	1.87	1.61	1.48	6.42	20.7	40.5	17.5	11.8	5.48	8.27	4.06	2.25	10.1	1913
1914	2.21	1.84	1.85	7.17	22.6	24.6	15.2	6.04	8.56	10.6	7.89	3.20	9.35	1914
1915	2.05	1.80	1.43	7.42	17.2	28.5	17.2	10.7	8.48	9.20	5.55	2.76	9.26	1915
1916	1.50	5.73	4.81	7.03	18.1	43.1	32.7	13.5	9.08	4.00	3.05	1.76	11.8	1916
1917	1.55	1.02	0.821	2.50	24.1	40.4	24.2	7.93	4.88	4.08	2.84	2.78	9.76	1917
1918	4.23	1.95	2.32	7.24	18.8	27.8	11.7	8.09	5.88	4.67	2.53	1.88	8.11	1918
1919	1.85	1.81	2.42	5.20	23.7	18.8	9.88	6.22	3.14	2.29	1.85	2.01	5.82	1919
1920	1.73	2.44	1.43	2.26	17.5	35.1	28.7	8.52	8.78	8.58	2.95	1.68	9.47	1920
1921	2.15	2.18	3.26	8.15	25.9	35.6	17.7	7.87	5.09	5.37	4.18	4.13	10.2	1921
1922	1.85	1.24	1.48	3.08	24.9	38.1	18.1	7.83	4.31	3.87	2.75	1.82	8.85	1922
1923	1.74	1.54	1.64	4.55	21.0	38.6	16.9	8.05	4.88	8.08	2.78	2.04	9.34	1923
1924	1.39	2.85	1.51	3.08	21.8	31.0	15.8	9.52	4.69	4.18	3.42	3.19	8.83	1924
1925	2.30	2.42	2.64	10.9	33.9	31.3	18.6	8.25	7.38	4.78	2.98	2.59	10.5	1925
1926	1.86	1.82	1.58	8.48	10.2	10.7	7.84	4.82	10.0	12.8	4.70	3.23	8.49	1926
1927	1.88	2.05	1.88	7.03	24.1	55.5	28.8	14.7	14.8	10.1	8.58	3.87	14.2	1927
1928	2.46	2.08	3.50	8.34	34.2	32.3	25.4	9.28	5.53	9.38	4.24	1.77	11.3	1928
1929	1.56	1.44	1.88	3.82	18.5	26.3	14.0	8.87	3.26	3.48	2.08	2.12	7.00	1929
1930	1.61	2.36	2.13	15.0	24.3	24.8	13.3	8.28	4.21	3.01	2.11	1.20	8.34	1930
1931	0.888	1.42	1.34	2.91	19.5	14.8	7.43	5.04	3.89	2.73	3.87	1.70	5.48	1931
1932	1.11	5.84	4.22	8.12	25.8	28.0	13.2	8.38	2.78	2.78	3.01	2.82	8.48	1932
1933	1.83	1.45	1.83	3.95	20.5	41.1	18.9	7.42	4.58	8.42	7.01	3.28	10.0	1933
1934	5.43	3.48	3.28	20.2	31.3	31.5	12.6	5.84	3.24	4.40	12.4	2.82	11.4	1934
1935	3.18	5.04	2.61	3.54	18.8	23.9	14.1	8.23	3.90	2.98	3.28	1.29	7.39	1935
1936	1.18	0.888	1.24	7.83	23.4	18.3	7.38	4.41	2.83	2.21	1.17	0.788	5.88	1936
1937	0.780	0.908	0.881	3.08	17.8	38.9	12.8	4.98	2.93	4.23	4.58	2.04	7.85	1937
1938	1.71	1.54	1.52	8.88	28.6	32.7	18.6	4.95	3.28	2.92	2.41	1.51	8.75	1938
1939	1.16	0.981	2.23	8.86	19.7	15.4	8.74	3.98	2.58	2.71	2.33	2.39	8.04	1939
1940	1.51	1.27	1.21	3.85	18.5	16.3	8.15	3.88	4.40	3.57	1.84	1.87	5.82	1940
1941	1.52	0.883	0.888	5.44	12.6	12.8	8.75	3.88	5.47	8.46	3.44	3.02	5.47	1941
1942	2.84	1.78	1.42	8.14	21.3	30.3	18.7	7.89	8.87	4.72	3.08	2.90	8.98	1942
1943	2.31	2.15	1.87	12.5	18.5	32.7	24.8	8.00	3.23	2.84	1.84	1.35	8.44	1943
1944	1.17	1.18	1.07	2.23	13.1	18.1	7.88	4.73	3.26	2.82	1.82	1.28	4.88	1944
1945	1.88	1.82	1.43	2.28	21.8	33.7	15.0	4.82	8.36	4.88	3.88	2.18	8.18	1945
1946	1.30	1.31	2.47	11.7	25.8	27.8	15.1	8.28	4.07	4.53	2.88	2.37	8.74	1946
1947	1.82	1.88	2.84	8.08	28.1	25.8	18.1	8.38	8.78	13.8	4.48	2.78	8.84	1947
1948	2.10	1.88	1.71	8.48	30.8	80.3	17.2	8.87	3.24	2.17	1.37	0.881	10.8	1948
1949	0.708	0.730	1.84	8.14	23.2	21.0	10.8	8.80	8.47	3.88	3.84	3.34	7.13	1949
1950	1.71	1.78	2.38	3.88	18.2	42.4	27.3	8.80	3.21	7.22	8.80	4.84	10.8	1950
1951	2.87	3.01	1.88	8.78	31.2	32.4	32.3	11.8	12.8	12.8	4.32	3.33	13.0	1951
1952	2.08	1.78	1.82	8.48	20.8	19.2	13.3	8.28	3.88	1.88	1.48	1.84	7.20	1952
1953	2.34	2.84	1.88	8.71	28.1	82.8	28.8	8.14	4.23	1.88	3.11	2.08	11.8	1953
1954	1.33	1.87	2.08	3.80	28.8	34.8	30.0	12.0	4.38	8.82	8.44	3.11	11.8	1954
1955	2.02	1.30	1.33	2.58	14.8	40.0	23.2	4.28	3.25	7.73	8.07	2.88	8.38	1955
1956	1.88	1.38	1.84	8.80	20.8	28.7	18.7	7.88	3.82	8.10	3.07	2.81	8.11	1956
1957	1.87	1.48	1.84	2.88	28.8	25.8	10.4	3.47	2.38	4.08	4.38	2.48	8.18	1957
1958	1.71	1.88	2.80	3.83	28.1	27.3	13.2	8.07	4.13	3.48	3.81	3.22	8.32	1958
1959	2.18	1.88	1.83	8.47	20.2	37.4	18.2	7.17	8.21	10.1	4.88	2.88	10.2	1959
1960	2.18	1.70	2.73	7.12	18.8	28.8	12.8	8.30	3.33	1.28	2.08	1.82	8.88	1960
1961	1.40	1.83	1.81	3.48	21.8	31.2	10.7	8.07	3.83	7.02	3.34	1.87	7.77	1961
1962	1.78	2.34	2.12	8.22	18.2	32.7	8.88	8.18	3.13	8.34	4.33	3.83	7.41	1962
1963	1.88	4.24	2.18	3.30	18.8	32.0	18.1	4.44	2.27	2.30	2.00	2.03	7.38	1963
1964	1.88	1.38	0.878	2.84	21.8	84.8	20.0	8.32	3.08	8.21	2.40	1.88	11.0	1964
1965	1.48	1.82	1.88	8.88	21.8	42.1	22.8	7.87	8.77	7.33	3.88	2.24	10.8	1965
1966	1.88	1.30	2.38	7.80	23.7	32.8	18.4	7.13	3.13	3.87	3.78	2.72	8.88	1966
1967	1.82	2.11	1.80	2.38	24.8	44.0	23.8	8.78	2.88	1.88	4.08	2.31	8.78	1967
1968	2.83	2.80	3.08	2.87	18.7	28.8	18.7	7.88	11.7	8.30	4.77	2.38	8.07	1968
1969	1.81	1.88	1.81	8.88	21.0	30.7	18.8	4.78	2.84	4.07	3.02	1.88	8.18	1969
1970	1.34	1.84	1.31	1.88	22.8	48.8	13.2	3.82	2.47	2.83	2.13	1.78	8.80	1970
1971	1.84	2.03	1.88	8.80	28.3	32.8	20.0	8.82	2.88	4.15	3.38	1.89	8.44	1971
1972	1.37	1.38	8.03	8.20	28.8	43.0	22.8	12.8	8.88	3.81	2.71	1.44	11.3	1972
1973	2.07	1.75	1.80	3.01	17.8	20.0	8.26	3.31	2.18	2.18	8.87	2.88	8.88	1973
1974	3.21	1.90	2.13	8.48	20.2	44.0	22.8	7.77	4.31	2.00	2.20	1.83	9.83	1974
1975	1.83	1.14	1.18	1.74	18.4	88.3	38.2	10.8	8.77	8.75	8.87	8.17	13.8	1975
1976	2.82	2.21	2.14	8.41	27.2	20.8	18.3	11.0	4.28	1.70	2.14	1.97	8.83	1976
1977	1.71	1.22	0.843	4.47	8.48	8.83	3.98	8.48	8.88	2.81	2.84	2.27	4.28	1977
1978	1.88	1.37	1.74	8.38	21.0	28.8	20.8	8.73	8.80	3.84	3.72	2.48	8.29	1978
1979	1.27	1.48	2.18	3.48	28.2	22.4	10.4	8.38	2.87	2.17	1.48	1.83	8.75	1979
1980	1.88	1.48	1.21	8.71	28.2	28.4	10.4	8.87	8.20	3.78	8.13	4.38	8.83	1980
1981	3.84	3.14	2.87	7.30	31.1	24.8	18.7	8.48	2.28	1.88	2.12	2.04	8.71	1981
1982	1.10	1.38	1.32	1.87	18.4	33.0	17.8	8.38	2.73	3.48	2.82	1.80	7.38	1982
1983	1.41	1.82	2.17	4.28	17.2	18.8	12.3	8.00	1.41	1.82	4.81	1.80	8.17	1983
1984	1.87	1.88	1.47	8.17	13.2	21.3	10.8	4.81	3.48	4.01	2.98	1.43	8.03	1984
MEAN	1.81	1.93	1.88	8.83	22.2	31.1	16.8	7.21	4.88	4.83	3.80	2.41	8.74	MEAN

LOCATION - LAT 49 08 00 N LONG 113 41 48 W DRAINAGE AREA, 319 km² REGULATED SINCE 1935 INTERNATIONAL GAUGING STATION

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	33.4 ON MAY 17	0.9068 ON FEB 29	236 000	1912
1913	---	58.6 ON MAY 29	0.9638 ON FEB 28	317 000	1913
1914	---	38.8 ON JUN 14	1.42 B ON JAN 30	295 000	1914
1915	---	38.8 ON JUN 3	0.8218 ON MAR 9	283 000	1915
1916	---	77.3 ON JUN 21	0.9638 ON FEB 5	376 000	1916
1917	---	87.6E ON JUN 11	0.7088 ON JAN 30	308 000	1917
1918	---	48.4 ON JUN 11	1.05 B ON DEC 29	255 000	1918
1919	---	54.7 ON MAY 29	0.6238 ON JAN 11	209 000	1919
1920	---	54.7 ON JUN 16	0.7938 ON JAN 15	300 000	1920
1921	---	49.0 ON JUN 8	1.08 B ON FEB 20	321 000	1921
1922	---	57.8 ON JUN 8	0.6658 ON DEC 2	282 000	1922
1923	---	63.1 ON JUN 2	1.16 B ON JAN 3	294 000	1923
1924	---	42.5 ON JUN 18	1.26 B ON JAN 22	270 000	1924
1925	---	57.5 ON MAY 23	1.53 B ON DEC 30	332 000	1925
1926	---	33.7 ON OCT 17	1.08 B ON MAR 1	205 000	1926
1927	---	75.6 ON JUN 11	1.29 B ON MAR 25	447 000	1927
1928	---	57.8 ON MAY 25	1.42 B ON FEB 22	358 000	1928
1929	---	39.6 ON JUN 3	0.9518 ON FEB 21	221 000	1929
1930	---	38.5 ON MAY 22	0.6488 ON JAN 30	283 000	1930
1931	---	36.8 ON MAY 16	0.5108 ON JAN 13	172 000	1931
1932	---	51.0 ON MAY 22	0.7088 ON JAN 11	288 000	1932
1933	---	54.4 ON JUN 17	0.8788 ON FEB 8	316 000	1933
1934	---	73.9 ON JUN 7	1.84 B ON MAR 7	359 000	1934
1935	---	46.4 ON MAY 24	0.8238 ON DEC 19	233 000	1935
1936	---	36.8 ON MAY 15	0.4258 ON NOV 25	185 000	1936
1937	---	118 ON JUN 13	0.6238 ON FEB 1	248 000	1937
1938	---	58.6 ON MAY 28	0.8788 ON APR 1	276 000	1938
1939	---	28.6 ON APR 30	0.6518 ON MAR 3	191 000	1939
1940	---	30.8 ON MAY 12	0.9068 ON FEB 23	178 000	1940
1941	---	26.5 ON JUN 29	0.3968 ON FEB 8	172 000	1941
1942	---	71.1 ON JUN 8	1.27 B ON MAR 4	283 000	1942
1943	---	54.1 ON JUN 18	0.7088 ON DEC 20	286 000	1943
1944	29.7 AT 18:00 MST ON JUN 27	28.6 ON MAY 18	0.4258 ON JAN 25	148 000	1944
1945	---	47.8 ON JUN 4	0.9918 ON MAR 11	258 000	1945
1946	---	43.8 ON MAY 28	0.7368 ON JAN 20	276 000	1946
1947	---	60.2 ON MAY 3	1.47 B ON JAN 13	313 000	1947
1948	81.2 AT 15:15 MST ON JUN 17	68.1 ON JUN 17	0.8808 ON NOV 27	330 000	1948
1949	37.7 AT 07:00 MST ON MAY 28	37.1 ON MAY 28	0.4258 ON FEB 13	225 000	1949
1950	82.6 AT 10:00 MST ON JUN 22	81.2 ON JUN 22	1.25 B ON FEB 7	343 000	1950
1951	85.5 AT 12:00 MST ON JUN 24	69.1 ON JUN 24	1.84 B ON MAR 8	410 000	1951
1952	28.9 AT 17:00 MST ON JUN 12	27.0 ON MAY 20	0.9348 ON DEC 18	228 000	1952
1953	127 AT 04:00 MST ON JUN 4	120 ON JUN 4	0.5688 ON JAN 8	385 000	1953
1954	69.8 AT 05:00 MST ON MAY 20	68.5 ON MAY 20	0.4818 ON JAN 23	372 000	1954
1955	80.6 AT 10:00 MST ON JUN 25	58.9 ON JUN 25	0.7938 ON MAR 1	285 000	1955
1956	81.7 AT 05:00 MST ON MAY 22	80.9 ON MAY 22	0.7858 ON MAR 8	288 000	1956
1957	56.6 AT 04:00 MST ON MAY 14	55.2 ON MAY 14	1.01 ON AUG 19	257 000	1957
1958	53.8 AT 08:50 MST ON JUN 10	51.3 ON JUN 10	0.7088 ON JAN 26	283 000	1958
1959	55.5 AT 03:00 MST ON JUN 5	54.1 ON JUN 6	1.13 B ON FEB 26	322 000	1959
1960	43.9 AT 06:00 MST ON JUN 4	43.0 ON JUN 4	0.7938 ON DEC 27	220 000	1960
1961	55.2 AT 21:00 MST ON MAY 27	54.7 ON MAY 27	0.8788 ON JAN 29	245 000	1961
1962	32.0 AT 12:00 MST ON JUN 14	31.4 ON JUN 14	1.32 B ON MAR 3	234 000	1962
1963	51.3 AT 13:00 MST ON JUN 10	47.9 ON JUN 10	0.224 ON NOV 6 *	233 000	1963
1964	484 AT 19:00 MST ON JUN 8 *	303 ON JUN 8	0.7428 ON MAR 22	347 000	1964
1965	71.9 AT 18:00 MST ON JUN 19	69.1 ON JUN 19	1.18 B ON JAN 3	331 000	1965
1966	53.5 AT 18:00 MST ON JUN 4	50.1 ON JUN 4	1.05 B ON FEB 11	279 000	1966
1967	86.0 AT 23:30 MST ON MAY 23	82.8 ON MAY 23	0.447 ON OCT 5	308 000	1967
1968	43.8 AT 02:00 MST ON JUN 4	41.9 ON JUN 4	0.9348 ON JAN 6	287 000	1968
1969	69.4 AT 09:10 MST ON JUN 26	64.3 ON JUN 26	1.17 B ON DEC 6	257 000	1969
1970	102 AT 15:28 MST ON JUN 13	85.2 ON JUN 14	0.8218 ON JAN 15	288 000	1970
1971	54.1 AT 07:00 MST ON MAY 28	53.5 ON MAY 28	1.13 B ON MAR 4	298 000	1971
1972	76.7 AT 08:00 MST ON JUN 2	73.6 ON JUN 2	0.9438 ON DEC 12	359 000	1972
1973	45.0 AT 18:30 MST ON JUN 9	43.8 ON MAY 19	1.22 ON OCT 8	184 000	1973
1974	71.1 AT 03:30 MST ON JUN 18	69.9 ON JUN 18	1.26 ON NOV 5	313 000	1974
1975	416 AT 01:50 MST ON JUN 20	331 ON JUN 20 *	0.9438 ON FEB 14	440 000	1975
1976	49.0 AT 12:00 MST ON MAY 11	47.9 ON MAY 11	0.586 ON OCT 18	270 000	1976
1977	18.2 AT 06:50 MST ON JUN 9	17.6 ON JUN 9	0.3068 ON MAR 4	134 000	1977
1978	48.1 AT 18:55 MST ON JUN 8	46.7 ON JUN 8	0.6788 ON MAR 3	283 000	1978
1979	56.6 AT 10:30 MST ON MAY 27	55.1 ON MAY 27	0.8218 ON NOV 19	213 000	1979
1980	74.7 AT 14:20 MST ON MAY 26	70.5 ON MAY 26	0.8878 ON FEB 14	273 000	1980
1981	65.6 AT 21:50 MST ON MAY 22	62.9 ON MAY 22	0.781 ON OCT 18	275 000	1981
1982	45.1 AT 09:25 MST ON JUN 16	44.8 ON JUN 16	0.7408 ON APR 2	232 000	1982
1983	42.3 AT 05:05 MST ON MAY 27	41.5 ON MAY 27	0.875 ON OCT 30	195 000	1983
1984	44.8 AT 18:10 MST ON MAY 31	43.3 ON MAY 31	0.7208 ON DEC 30	191 000	1984
				278 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BELLY RIVER NEAR STAND OFF - STATION NO. 05AD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	71.4	32.2	17.2	7.68	5.38	---	---	---	1909
1910	---	---	---	22.3	24.1	19.3	12.4	6.24	11.8	14.0	---	---	---	1910
1911	1.72	2.50	---	6.44	29.5	41.2	18.1	15.1	27.0	7.52	---	---	---	1911
1912	2.20	3.14	---	---	24.6	24.1	18.1	9.10	4.84	5.44	5.56	2.85	---	1912
1913	1.60	1.90	2.28	12.1	24.8	41.8	18.7	12.6	6.91	5.23	4.42	3.82	11.4	1913
1914	2.63	1.41	2.77	10.1	23.9	26.2	18.2	9.06	7.24	12.7	7.10	2.21	10.1	1914
1915	1.69	1.61	2.63	7.78	18.2	38.7	24.6	18.4	12.8	12.4	8.80	2.30	12.4	1915
1916	1.67	10.3	10.1	8.55	20.3	50.1	35.6	13.3	8.14	4.88	3.73	2.43	14.2	1916
1917	1.63	1.14	0.885	10.5	28.2	44.8	24.6	8.03	6.43	3.81	2.74	2.88	11.2	1917
1918	4.70	2.20	3.44	8.08	19.4	28.8	10.8	7.38	8.28	4.47	2.41	1.48	8.22	1918
1919	1.63	1.33	2.70	5.88	22.0	20.2	9.89	8.27	3.12	1.92	1.80	1.87	8.48	1919
1920	1.87	2.68	4.18	8.00	23.3	34.8	27.7	9.62	8.88	5.90	3.17	1.77	10.8	1920
1921	2.11	2.63	4.76	9.63	28.8	38.0	18.1	7.78	4.71	5.37	4.00	4.08	10.8	1921
1922	1.80	1.28	1.68	5.89	26.0	38.3	18.1	7.44	4.18	3.48	3.10	1.88	9.30	1922
1923	2.01	1.72	1.97	8.34	21.4	42.7	17.8	8.89	4.18	8.03	2.49	1.78	9.87	1923
1924	1.21	3.11	1.93	4.23	20.7	34.4	14.8	10.4	4.05	2.78	---	---	---	1924
1925	---	---	6.91	15.7	33.4	31.7	11.8	6.22	6.41	6.83	---	---	---	1925
1926	---	---	1.48	8.02	9.82	9.38	5.24	3.05	11.3	13.1	---	---	---	1926
1927	---	---	2.63	10.6	41.2	65.7	30.4	16.4	19.0	13.6	---	---	---	1927
1928	---	---	10.7	7.75	33.7	35.4	36.4	9.41	5.56	6.88	---	---	---	1928
1929	---	---	4.87	6.28	24.3	30.7	13.3	3.86	3.28	3.46	---	---	---	1929
1930	---	---	3.10	14.6	28.0	25.5	10.8	4.12	3.80	3.00	---	---	---	1930
1931	---	---	1.68	2.71	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	1.88	2.08	---	---	---	1935
1936	---	---	---	---	19.8	11.8	---	---	---	---	---	---	---	1936
1948	---	---	---	---	---	---	---	---	---	1.50	1.13	1.07	---	1948
1949	0.925	0.834	2.84	4.48	22.6	21.3	7.48	2.35	4.40	3.32	4.13	3.48	8.85	1949
1950	2.03	1.88	4.18	9.83	20.2	40.8	26.5	8.17	2.87	8.58	7.48	4.83	11.3	1950
1951	2.70	3.58	8.40	14.5	45.6	60.0	39.8	13.2	18.2	18.4	6.81	4.41	18.6	1951
1952	2.88	3.48	7.93	21.4	23.2	19.2	13.3	9.73	3.72	1.35	0.844	1.87	8.08	1952
1953	3.00	3.12	8.17	11.2	28.1	88.5	28.5	8.45	3.98	1.88	4.07	2.11	15.6	1953
1954	1.84	2.89	2.45	7.83	33.1	34.2	29.8	11.5	10.0	8.28	6.87	3.20	12.7	1954
1955	2.18	1.84	2.82	12.8	28.1	38.0	28.5	8.78	2.38	7.82	4.88	2.88	11.4	1955
1956	2.42	1.88	8.02	7.52	29.1	29.8	22.4	8.98	3.26	4.88	3.86	2.12	8.88	1956
1957	1.88	2.22	8.30	4.20	38.6	26.1	7.24	1.80	0.837	4.01	5.67	1.88	8.08	1957
1958	1.88	2.18	4.28	8.12	29.2	28.8	14.4	5.20	3.70	2.21	4.13	3.80	8.88	1958
1959	3.85	2.33	4.08	8.48	22.8	32.8	13.0	8.38	7.84	8.88	8.37	4.18	10.1	1959
1960	2.18	2.38	7.27	8.84	17.8	23.3	8.11	2.21	0.877	0.438	0.882	0.881	8.07	1960
1961	0.878	1.18	1.87	1.40	14.3	11.8	2.31	1.84	1.88	3.81	4.23	2.28	3.86	1961
1962	2.58	3.23	3.10	10.8	8.80	2.88	1.17	1.08	1.13	0.780	1.03	1.07	2.82	1962
1963	0.843	4.83	2.18	0.770	1.02	2.14	4.71	1.21	0.778	0.444	0.704	0.880	1.70	1963
1964	0.882	0.787	0.880	1.17	23.1	61.8	18.4	0.842	0.884	0.810	0.888	1.28	8.32	1964
1965	2.10	2.87	2.23	8.08	14.0	38.8	15.0	2.18	5.28	7.14	4.70	3.87	8.78	1965
1966	3.42	2.82	4.33	8.88	30.4	28.0	12.0	8.34	2.88	3.82	4.37	3.48	8.80	1966
1967	4.83	3.10	5.78	8.03	38.7	81.2	17.2	1.18	1.82	0.748	1.23	0.877	10.7	1967
1968	0.878	1.81	2.00	2.03	3.81	18.2	2.48	4.87	14.1	10.8	8.21	3.80	5.98	1968
1969	3.73	3.21	8.82	13.0	22.8	31.2	13.0	1.83	1.78	3.71	4.11	2.71	8.92	1969
1970	1.72	1.88	1.80	4.10	26.8	48.8	7.80	1.88	2.08	3.43	2.78	1.88	8.88	1970
1971	1.84	8.88	2.48	8.88	27.1	24.2	7.12	8.08	2.88	4.12	3.71	1.18	7.84	1971
1972	1.88	2.30	17.8	8.08	27.8	37.2	17.8	8.88	3.28	2.48	2.88	2.80	11.3	1972
1973	3.42	2.78	2.84	4.04	7.84	8.33	2.00	0.887	0.832	0.480	4.83	3.08	3.28	1973
1974	2.88	3.10	4.82	8.33	20.8	37.0	8.38	4.48	3.48	3.30	2.80	2.28	8.28	1974
1975	1.84	1.73	1.83	11.1	28.2	88.8	18.1	4.74	12.7	14.2	3.88	8.03	14.8	1975
1976	8.23	3.21	4.18	8.43	28.2	11.0	8.78	10.7	1.88	2.08	2.83	1.88	7.17	1976
1977	1.70	2.53	2.37	3.88	2.58	2.83	1.82	2.21	1.84	1.87	2.32	2.23	2.31	1977
1978	1.72	1.88	2.78	3.93	22.3	22.7	14.2	3.38	3.42	3.48	3.82	2.47	7.18	1978
1979	1.88	1.82	8.21	7.48	28.8	11.8	2.87	2.18	1.78	1.44	1.72	1.84	8.88	1979
1980	1.18	2.48	3.82	2.72	18.8	24.4	1.83	2.48	8.73	8.18	8.04	8.37	8.87	1980
1981	4.88	3.88	2.32	4.03	41.8	38.2	8.88	8.72	1.88	1.87	2.38	1.87	8.88	1981
1982	1.13	1.78	2.88	8.33	8.84	31.8	13.3	3.78	8.08	8.80	2.78	2.28	7.07	1982
1983	2.08	2.88	3.24	2.38	14.3	8.38	3.01	1.88	0.882	1.28	4.43	1.78	3.88	1983
1984	2.71	2.81	1.73	1.38	2.08	4.84	3.30	1.27	0.810	1.84	3.38	1.43	2.28	1984
MEAN	2.27	2.87	3.87	7.83	22.8	31.3	14.8	8.40	8.33	8.08	3.87	2.88	8.70	MEAN

LOCATION - LAT 49 28 40 N DRAINAGE AREA, 1 210 km²
LONG 113 18 10 W REGULATED SINCE 1935

BELLY RIVER NEAR STAND OFF - STATION NO. 08AD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	---	1.13 ON JAN 1	---	1911
1912	---	---	1.47 ON FEB 26	---	1912
1913	---	84.1 ON MAY 29	1.25 B ON JAN 19	361 000	1913
1914	---	37.9 ON JUN 4	0.8218 ON FEB 6	318 000	1914
1915	---	76.5 ON JUN 26	1.27 B ON DEC 27	381 000	1915
1916	---	83.2 ON JUN 26	1.25 B ON JAN 24	450 000	1916
1917	---	85.6 ON JUN 12	0.2558 ON MAR 17	352 000	1917
1918	---	51.6 ON JUN 13	0.7858 ON NOV 24	259 000	1918
1919	---	43.9 ON MAY 29	0.4198 ON JAN 4	203 000	1919
1920	---	54.4 ON JUN 16	0.5958 ON DEC 6	342 000	1920
1921	---	53.2 ON MAY 26	1.13 B ON FEB 18	342 000	1921
1922	---	60.3 ON JUN 6	0.9068 ON DEC 1	293 000	1922
1923	76.7 ON JUN 2	59.7 ON JUN 2	1.10 B ON DEC 31	305 000	1923
1924	---	56.6 ON JUN 8	---	---	1924
1925	57.2 ON MAY 23	55.5 ON MAY 22	---	---	1925
1926	---	34.6 ON OCT 16	---	---	1926
1927	---	124 ON MAY 30	---	---	1927
1928	---	105 ON JUL 2	---	---	1928
1929	---	60.9 ON JUN 4	---	---	1929
1930	---	46.7 ON MAY 22	---	---	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1948	---	---	---	---	1948
1949	---	36.5 ON MAY 29	0.7938 ON FEB 4	206 000	1949
1950	84.3 AT 12:00 MST ON JUN 22	82.0 ON JUN 23	1.05 ON SEP 29	356 000	1950
1951	272 AT 04:00 MST ON JUN 25	223 ON JUN 25	1.76 B ON MAR 11	583 000	1951
1952	59.5 AT 01:00 MST ON APR 2	51.0 ON APR 1	0.3988 ON NOV 16	267 000	1952
1953	303 AT 03:00 MST ON JUN 9	273 ON JUN 9	0.637A ON NOV 1	493 000	1953
1954	70.2 AT 20:00 MST ON MAY 20	69.7 ON MAY 21	0.5368 ON DEC 30	401 000	1954
1955	142 AT 09:00 MST ON MAY 19	112 ON MAY 19	0.6218 ON MAR 5	358 000	1955
1956	85.1 AT 20:00 MST ON MAY 22	64.3 ON MAY 22	0.834E ON DEC 25	315 000	1956
1957	58.9 AT 10:00 MST ON MAY 15	57.2 ON MAY 15	0.478A ON SEP 8	255 000	1957
1958	55.5 AT 23:00 MST ON JUN 10	51.0 ON JUN 11	0.4638 ON JAN 27	264 000	1958
1959	59.7 AT 19:00 MST ON JUN 16	56.6 ON JUN 7	1.30 B ON MAR 11	320 000	1959
1960	85.7 B AT 09:00 MST ON MAR 19	42.2 ON JUN 4	0.1708 ON NOV 5 *	192 000	1960
1961	58.3 AT 13:00 MST ON MAY 31	51.8 ON MAY 31	0.285 ON APR 21	125 000	1961
1962	---	22.0 ON APR 26	0.320 ON DEC 10	92 100	1962
1963	16.7 AT 18:00 MST ON JUL 7	16.2 ON JUL 8	0.1818 ON JAN 12	53 800	1963
1964	331 AT 08:00 MST ON JUN 9	292 ON JUN 9 *	0.2638 ON MAR 2	295 000	1964
1965	89.4 AT 02:00 MST ON JUN 18	87.1 ON JUN 20	0.8238 ON DEC 25	277 000	1965
1966	---	77.8 ON JUN 5	0.8238 ON MAR 22	268 000	1966
1967	77.6 AT 18:30 MST ON MAY 24	75.3 ON MAY 24	0.4368 ON DEC 7	338 000	1967
1968	35.1 AT 18:00 MST ON JUN 4	34.5 ON JUN 4	0.4188 ON JAN 27	188 000	1968
1969	88.6 AT 02:30 MST ON JUN 27	80.1 ON JUN 27	0.898 ON SEP 10	281 000	1969
1970	137 AT 12:10 MST ON JUN 14	124 ON JUN 14	0.708 ON JUL 28	289 000	1970
1971	45.0 AT 03:00 MST ON MAY 29	44.6 ON MAY 29	0.7188 ON DEC 30	241 000	1971
1972	65.4 AT 21:15 MST ON JUN 2	63.7 ON JUN 2	0.6298 ON JAN 5	356 000	1972
1973	25.8 AT 22:10 MST ON MAY 19	24.8 ON MAY 20	0.212 ON OCT 5	103 000	1973
1974	63.1 AT 20:00 MST ON JUN 18	60.9 ON JUN 18	0.820 ON AUG 6	280 000	1974
1975	384 AT 19:30 MST ON JUN 20 *	287 ON JUN 21	1.44 B ON APR 1	458 000	1975
1976	48.4 AT 01:40 MST ON MAY 12	47.0 ON MAY 12	0.8128 ON DEC 29	227 000	1976
1977	5.52 AT 11:30 MST ON APR 7	5.15 ON APR 8	0.7468 ON NOV 21	72 800	1977
1978	40.8 AT 08:30 MST ON JUN 7	39.8 ON JUN 7	1.08 B ON JAN 31	226 000	1978
1979	58.8 AT 12:05 MST ON MAY 28	55.0 ON MAY 28	1.00 B ON DEC 29	178 000	1979
1980	118 AT 09:50 MST ON MAY 27	103 ON MAY 27	0.4038 ON MAR 31	208 000	1980
1981	153 AT 18:40 MST ON MAY 22	115 ON MAY 22	0.8008 ON DEC 31	302 000	1981
1982	46.9 AT 09:30 MST ON JUN 15	46.2 ON JUN 15	0.8808 ON JAN 2	223 000	1982
1983	38.7 AT 18:10 MST ON MAY 27	37.3 ON MAY 27	0.873 ON SEP 24	113 000	1983
1984	25.4 AT 12:40 MST ON JUN 30	25.1 ON JUN 30	0.895 ON SEP 8	71 100	1984
				275 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	---	---	---	---	---	0.018	0	---	1987
1988	0	0	0	0.208	0.480	0.171	0.178	0.072	0.101	0.057	0.018	0.001	0.107	1988
1989	---	---	---	0.215	0.109	0.036	0.015	0.024	0.022	0.014	0.003	---	---	1989
1970	---	---	---	---	0.123	0.038	0.019	0.035	---	0.028	---	---	---	1970
1971	0	0	0	0.284	0.121	0.028	0.012	0.008	0.012	0.008	0.002	0.001	0.037	1971
1972	0	0	0	0.128	0.357	0.075	0.035	0.020	0.038	0.020	0.001	0	0.058	1972
1973	0	0	0	0.187	0.188	0.070	0.374	0.218	0.178	0.149	0.026	0.010	0.118	1973
1974	0.002	0	0	0.540	0.358	0.184	0.203	0.100	0.082	0.087	0.023	0.008	0.132	1974
1975	0.001	0	0	0.221	0.153	0.076	0.012	0.058	0.081	0.072	0.015	0.001	0.058	1975
1976	0	0	0	0.500	0.088	0.038	0.147	0.088	0.081	0.048	0.009	0	0.081	1976
1977	0	0	0	0.284	0.048	0.447	0.242	0.123	0.126	0.083	0.011	0	0.112	1977
1978	0	0	0	0.111	0.201	0.051	0.017	0.008	0.022	0.026	0.008	0	0.027	1978
1979	0	0	0	0.007	0.287	0.027	0.013	0.012	0.010	0.038	0.028	0.002	0.038	1979
1980	0	0	0	0.145	0.021	0.017	0.048	0.018	0.015	0.008	0.008	0	0.023	1980
1981	0	0	0	0.175	0.128	0.051	0.019	0.007	0.010	0.010	0.007	0.004	0.034	1981
1982	0	0	0	0.078	0.085	0.017	0.008	0.008	0.018	0.018	0.001	0	0.020	1982
1983	0	0	0.001	0.188	0.103	0.030	0.085	0.088	0.101	0.030	0.038	0	0.064	1983
MEAN	0	0	0	0.215	0.178	0.086	0.068	0.058	0.058	0.041	0.013	0.002	0.065	MEAN

LOCATION - LAT 59 48 50 N, LONG 111 57 45 W DRAINAGE AREA, 65.0 km^2 NATURAL FLOW

BENCH MARK CREEK NEAR FORT SMITH - STATION NO. 07NB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	2.29 AT 21:45 MST ON MAY 4 *	1.47 ON MAY 4	0 ON JAN 1 *	3 380	1968
1969	---	0.418A ON APR 14	0 ON APR 1	---	1969
1970	1.03 AT 23:10 MST ON APR 25	0.678 ON APR 28	---	---	1970
1971	1.24A AT 19:50 MST ON APR 20	1.20 A ON APR 20	0E ON JAN 1	1 170	1971
1972	1.03A ON MAY 3	1.03 A ON MAY 3	0 ON JAN 1	1 770	1972
1973	1.14 AT 12:00 MST ON JUL 9	1.01 ON JUL 9	0 ON JAN 1	3 710	1973
1974	---	2.00 ON APR 23 *	0E ON JAN 23	4 180	1974
1975	---	0.581A ON APR 24	0E ON JAN 17	1 830	1975
1976	---	1.26 B ON APR 14	0B ON JAN 1	2 580	1976
1977	---	1.47 E ON JUN 10	0B ON JAN 1	3 530	1977
1978	---	0.813E ON MAY 1	0B ON JAN 1	1 180	1978
1979	---	1.05 E ON MAY 11	0B ON JAN 1	1 120	1979
1980	---	0.800 ON APR 15	0B ON JAN 1	732	1980
1981	---	0.941A ON APR 28	0B ON JAN 1	1 080	1981
1982	---	0.238 ON APR 27	0B ON JAN 1	840	1982
1983	---	0.801 ON APR 22	0B ON JAN 1	1 710	1983
				2 040	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK (EAST BRANCH) NEAR WARDLOW - STATION NO. 05CH003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	0	0	0	0	0	0	---	---	---	1922
1938	---	---	0	0.857	0	0	---	---	---	---	---	---	---	1938
MEAN	---	---	0	0.857	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 54 32 N, LONG 111 33 01 W
DRAINAGE AREA, 876 km^2
NATURAL FLOW

BERRY CREEK (EAST BRANCH) NEAR WARDLOW - STATION NO. 05CH003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	0 ON MAR 23 *	---	1922
1938	---	11.3E ON APR 19 *	0B ON MAR 1	---	1938
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK AT FORSTER'S RANCH - STATION NO. 05CH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	1.89	0.339	0.162	---	---	---	---	1911
1912	---	---	---	---	0.381	0.832	0.878	0.894	0.137	0.059	---	---	---	1912
MEAN	---	---	---	---	0.381	0.832	1.43	0.617	0.140	0.059	---	---	---	MEAN

LOCATION - LAT 50 58 00 N, LONG 111 45 00 W
DRAINAGE AREA, 2 460 km^2
NATURAL FLOW

BERRY CREEK BELOW DEADFISH CREEK - STATION NO. 05CH018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.043	0	0	0.257	0.557	0.023	0.018	---	---	---	1984
MEAN	---	---	---	0.043	0	0	0.257	0.557	0.023	0.018	---	---	---	MEAN

LOCATION - LAT 50 58 09 N, LONG 111 45 59 W
DRAINAGE AREA, 2 480 km^2

BERRY CREEK BELOW DEADFISH CREEK - STATION NO. 05CH018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	1.47 AT 22:30 MST ON JUL 27 *	1.35 ON JUL 28 *	0 ON MAY 3 *	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. OSCH010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	0	0	---	---	---	1981
1982	---	---	0.001	0.005	0.003	0.002	0	0.002	0.001	0	---	---	0.002	1982
1983	---	---	0.008	0.001	0.001	---	---	---	---	---	---	---	---	1983
MEAN	---	---	0.005	0.003	0.002	0.002	0	0.002	0.001	0	---	---	0.002	MEAN

LOCATION - LAT 51 05 45 N LONG 111 40 53 W
DRAINAGE AREA, 2 050 km²
REGULATED

BERRY CREEK NEAR POLLOCKVILLE - STATION NO. OSCH010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	---	0A ON JUN 28 *	---	1981
1982	---	0.0198 ON APR 13 *	0B ON MAR 1	37.3	1982
1983	---	---	0B ON MAR 1	---	1983
				37.3	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR ROSE LYNN - STATION NO. OSCH008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	0.014	0	0	---	---	---	1967
1968	---	---	0	11.8	0.374	0.002	0	0	0	0	---	---	1.49	1968
1970	---	---	0	8.80	0.215	0.038	0.024	0.004	0.013	0	---	---	0.870	1970
1971	---	---	0	11.9	0.709	0.041	0.022	0.014	0	0	---	---	1.58	1971
1972	---	---	0	0.157	0.089	0.187	0.051	0.044	0	0	---	---	0.060	1972
1973	---	---	0	0.263	0.230	1.83	0.285	0.105	0.126	0.102	---	---	0.388	1973
1974	---	---	0.014	18.2	5.83	0.432	0.155	0.007	0.058	0.056	---	---	2.81	1974
1975	---	---	0	1.25	4.83	0.248	0.110	0.083	0.073	0.010	---	---	0.803	1975
1976	---	---	0.047	0.255	0.178	0.140	0.079	---	---	0	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.086	0.095	0.001	0.001	0.004	0.001	0.008	0	---	---	0.022	1978
1979	---	---	0.738	0.183	0.103	0.010	0.007	0.022	0.026	0	---	---	0.137	1979
1980	---	---	0	0.005	0	0	0	0	0	0	---	---	0.001	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0.031	0	0	0	0	0	0	---	---	0.004	1982
1983	---	---	0.188	0.008	0	0	0.013	0	0	0	---	---	0.037	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	0.086	3.08	0.771	0.182	0.047	0.018	0.018	0.010	---	---	0.543	MEAN

LOCATION - LAT 51 24 56 N LONG 111 39 41 W
DRAINAGE AREA, 1 550 km²
REGULATED

BERRY CREEK NEAR ROSE LYNN - STATION NO. OSCH008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	0 ON SEP 5 *	---	1967
1968	51.5 AT 23:30 MST ON APR 6	43.8 ON APR 9	0B ON MAR 1	31 800	1968
1970	35.1 AT 01:30 MST ON APR 7	31.7 ON APR 7	0B ON MAR 1	18 400	1970
1971	52.4 AT 13:00 MST ON APR 15	51.0 ON APR 15	0B ON MAR 1	32 900	1971
1972	1.52 AT 18:45 MST ON JUN 10	0.715 ON JUN 11	0B ON MAR 1	1 280	1972
1973	13.1 AT 20:50 MST ON JUL 18	10.8 ON JUN 17	0B ON MAR 1	7 750	1973
1974	84.7 AT 00:10 MST ON APR 25 *	78.7 ON APR 25 *	0 ON AUG 21	58 500	1974
1975	14.4 AT 20:00 MST ON MAY 7	14.3 ON MAY 7	0B ON MAR 1	17 000	1975
1976	1.20 AT 16:30 MST ON APR 1	0.745 ON APR 2	0B ON MAR 1	---	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	1.06 B ON MAR 30	0B ON MAR 1	458	1978
1979	---	3.80 B ON MAR 15	0B ON MAR 1	2 900	1979
1980	0.038 AT 18:00 MST ON APR 17	0.031 ON APR 18	0B ON MAR 1	13.3	1980
1981	---	0 B ON MAR 1	0B ON MAR 1	0	1981
1982	0.120 AT 10:05 MST ON APR 18	0.118 ON APR 17	0 ON MAR 1	78.7	1982
1983	---	1.25 B ON MAR 14	0B ON MAR 1	581	1983
1984	---	0 B ON MAR 1	0B ON MAR 1	0	1984
				11 500	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0.036	0.141	0.147	0.517	0.208	0.009	0.057	0.754	---	---	0.233	1964
1965	---	---	0.052	7.10	2.04	0.770	0.333	0.438	0.154	0.231	---	---	1.37	1965
1966	---	---	0.319	1.11	0.296	0.682	0.594	0.545	0.243	0.215	---	---	0.498	1966
1967	---	---	0.039	0.670	3.85	1.13	0.259	0.586	0.018	0.184	---	---	0.845	1967
1968	---	---	0.061	0.262	0.236	0.277	0.159	0.083	0.084	0.194	---	---	0.187	1968
1969	---	---	0.013	8.70	1.51	0.548	0.589	0.380	0.104	0.349	---	---	1.90	1969
1970	---	---	0.037	3.86	1.38	0.715	0.407	0.289	0.055	0.127	---	---	0.848	1970
1971	---	---	0.037	13.5	2.75	0.567	0.315	0.386	0.206	0.084	---	---	2.20	1971
1972	---	---	0.221	0.233	0.205	0.188	0.043	0.142	0.013	0.022	---	---	0.133	1972
1973	---	---	0.126	0.262	0.134	0.220	0.040	0.206	0.021	0.005	---	---	0.126	1973
1974	---	---	0.048	3.93	11.8	1.22	0.614	0.748	0.200	0.078	---	---	2.35	1974
1975	---	---	0.009	0.203	4.04	0.828	0.291	0.250	0.013	0.020	---	---	0.712	1975
1976	---	---	0.273	0.298	0.101	0.257	0.126	0.108	0	0.018	---	---	0.147	1976
1977	---	---	0.062	0.094	0.042	0	0	0	0.001	0.002	---	---	0.028	1977
1978	---	---	0.011	0.085	0.071	0.007	0.002	0.001	0.001	0.011	---	---	0.024	1978
1979	---	---	0.098	0.079	0.042	0.018	0	0	0	0.001	---	---	0.030	1979
1980	---	---	0.042	0.084	0.025	0.023	0.008	0.004	0.002	0.010	---	---	0.025	1980
1981	---	---	0.007	0.008	0.015	0.006	0	0	0	0	---	---	0.004	1981
1982	---	---	0.001	0.008	0.010	0.003	0.008	0.005	0.004	0.001	---	---	0.005	1982
1983	---	---	0.015	0.009	0.004	0.001	0.002	0.002	0	0	---	---	0.004	1983
1984	---	---	0.005	0.006	0.005	0.001	0	0.018	0.025	0.012	---	---	0.009	1984
MEAN	---	---	0.072	1.94	1.35	0.380	0.190	0.198	0.058	0.111	---	---	0.536	MEAN

LOCATION - LAT 50 51 18 N DRAINAGE AREA, 3 720 km²
LONG 111 35 26 W REGULATED

BERRY CREEK NEAR THE MOUTH - STATION NO. 05CH007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)		MAXIMUM DAILY DISCHARGE (m³/s)		MINIMUM DAILY DISCHARGE (m³/s)		TOTAL DISCHARGE (dam³)	YEAR
1964	2.84	AT 05:00 MST ON JUN 18	2.27	ON JUN 18	0	ON AUG 21 *	4 950	1964
1965	22.9	AT 10:00 MST ON APR 24	22.6	ON APR 24	0	B ON MAR 1	29 100	1965
1966	5.61	AT 16:00 MST ON APR 2	4.30	ON APR 2	0	B ON MAR 1	10 800	1966
1967		---	4.13	ON JUN 1	0	ON SEP 10	17 900	1967
1968	0.793	AT 19:10 MST ON APR 19	0.733	ON APR 19	0	ON JUL 12	3 530	1968
1969		---	28.3	ON APR 19	0	B ON MAR 15	31 600	1969
1970	10.1	AT 14:30 MST ON APR 14	9.83	ON APR 20	0.0088	ON MAR 4	17 800	1970
1971	48.7	AT 20:30 MST ON APR 20	48.7	ON APR 20	0	B ON MAR 1	46 700	1971
1972		---	1.35 B	ON MAR 18	0	ON JUL 11	2 820	1972
1973	1.35	AT 23:50 MST ON JUN 15	0.847	ON JUN 16	0	ON JUL 20	2 870	1973
1974	52.7	AT 01:20 MST ON MAY 1 *	51.3	ON MAY 1 *	0.040	ON SEP 30	49 800	1974
1975	8.94	AT 12:00 MST ON MAY 12	8.83	ON MAY 12	0	B ON MAR 1	15 000	1975
1976	1.35	AT 14:00 MST ON JUN 16	0.883	ON MAR 19	0	ON SEP 2	3 110	1976
1977	0.184	AT 02:30 MST ON APR 8	0.167	ON APR 6	0	ON JUN 3	533	1977
1978		---	0.181	ON APR 23	0	B ON MAR 1	500	1978
1979		---	0.2848	ON MAR 21	0	B ON MAR 1	834	1979
1980		---	0.1708	ON MAR 31	0	B ON MAR 1	520	1980
1981	0.047	AT 09:40 MST ON MAY 21	0.031	ON MAY 19	0	ON APR 26	93.8	1981
1982	0.055	AT 15:46 MST ON MAY 30	0.032	ON MAY 30	0	B ON MAR 1	108	1982
1983	0.0528	AT 09:00 MST ON MAR 11	0.0478	ON MAR 11	0	ON SEP 1	87.8	1983
1984	0.250	AT 18:55 MST ON AUG 31	0.181	ON AUG 29	0	ON JUN 29	193	1984
							11 400	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BERRY CREEK NEAR WARDLOW - STATION NO. 05CH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO JUN IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.002	4.50	0.888	0.122	0.028	0.001	---	---	---	---	1.36	1921
1922	---	---	---	1.11	0.183	0.036	0.018	0.005	0.005	0.023	---	---	---	1922
1923	---	---	0.001	0.031	0.007	2.55	1.08	0.063	0.018	0.017	---	---	0.837	1923
1924	---	---	0.004	0.081	0.035	0.014	0.002	0.012	0.004	0.018	---	---	0.033	1924
1925	---	---	0.044	14.4	1.88	0.320	0.476	0.104	0.054	0.061	---	---	4.02	1925
1926	---	---	2.31	2.54	0.494	0.089	0.014	0.017	0.038	0.030	---	---	1.35	1926
1927	---	---	0.053	16.3	5.88	2.31	0.902	0.488	0.248	0.215	---	---	5.57	1927
1928	---	---	13.3	6.42	1.35	0.518	0.478	0.223	0.111	0.115	---	---	5.43	1928
1929	---	---	0.126	0.189	0.145	0.084	0.003	---	---	---	---	---	0.133	1929
1930	---	---	0.005	0.177	0.063	0.012	0	0	0	0	---	---	0.064	1930
1935	---	---	---	3.52	0.588	0.068	0.021	---	---	---	---	---	---	1935
1936	---	---	0	5.69	0.878	0.187	0.018	---	---	---	---	---	1.84	1936
1937	---	---	---	0.183	0.037	0.007	---	---	---	---	---	---	---	1937
1938	---	---	---	8.23	2.07	0.433	---	---	---	---	---	---	---	1938
1939	---	---	2.71	2.86	0.302	1.82	---	---	---	---	---	---	1.92	1939
1940	---	---	---	13.6	9.00	0.727	---	---	---	---	---	---	---	1940
1941	---	---	0.573	14.7	0.813	0.349	---	---	---	---	---	---	4.04	1941
1942	---	---	0.005	0.052	0	---	---	---	---	---	---	---	0.014	1942
1943	---	---	0.138	17.6	1.04	0.182	---	---	---	---	---	---	4.67	1943
1947	---	---	5.70	13.4	0.836	0.143	---	---	---	---	---	---	4.94	1947
1948	---	---	0	27.5	17.9	1.19	---	---	---	---	---	---	11.6	1948
1949	---	---	0.044	0.148	0.003	0	---	---	---	---	---	---	0.048	1949
1950	---	---	0	0.008	0	---	---	---	---	---	---	---	---	1950
1951	---	---	0	10.0	9.75	---	---	---	---	---	---	---	---	1951
1952	---	---	0.301	37.1	2.18	0.776	---	---	---	---	---	---	9.94	1952
1953	---	---	0	0.323	2.48	2.58	---	---	---	---	---	---	1.34	1953
MEAN	---	---	1.21	7.83	2.25	0.597	0.252	0.102	0.059	0.080	---	---	3.16	MEAN

LOCATION - LAT 50 54 26 N DRAINAGE AREA, 2 790 km²
LONG 111 33 40 W REGULATED

BERRY CREEK NEAR WARDLOW - STATION NO. 05CH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO JUN FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	15.2 ON APR 17	0 B ON MAR 1 *	14 400	1921
1922	---	5.80 B ON APR 8	0.026 ON JUN 28	---	1922
1923	---	12.9 ON JUN 25	0 B ON MAR 1	6 710	1923
1924	---	0.1308 ON APR 9	0 B ON MAR 3	352	1924
1925	---	32.0 ON APR 13	0 B ON MAR 1	42 400	1925
1926	---	8.30 ON APR 19	0 B ON MAR 1	14 200	1926
1927	---	50.1 ON APR 21	0 B ON MAR 1	69 300	1927
1928	---	113 E ON MAR 28	0 B ON MAR 1	57 300	1928
1929	---	0.2898 ON MAR 20	0 B ON MAR 1	1 400	1929
1930	---	0.439 ON APR 9	0 B ON MAR 1	573	1930
1935	---	15.3 ON APR 21	0 B ON APR 1	---	1935
1936	---	22.5 ON APR 19	0 B ON MAR 1	20 500	1936
1937	---	0.362 ON APR 14	0 B ON APR 1	---	1937
1938	---	27.5 ON APR 13	0 B ON MAR 29	---	1938
1939	---	15.4 ON MAR 29	0 B ON MAR 1	20 200	1939
1940	---	63.7 ON APR 26	0 B ON APR 1	---	1940
1941	---	38.5 ON APR 10	0 B ON MAR 1	42 600	1941
1942	---	0.122 ON APR 14	0 B ON MAR 1	149	1942
1943	---	83.2 ON APR 9	0 ON MAR 1	49 200	1943
1947	---	47.6 ON MAR 28	0 B ON MAR 1	52 200	1947
1948	---	150 E ON APR 26 *	0 B ON MAR 1	122 000	1948
1949	---	0.4538 ON APR 8	0 B ON MAR 1	504	1949
1950	---	0.025 ON APR 19	0 ON MAR 1	---	1950
1951	---	28.6 B ON APR 15	0 B ON MAR 1	---	1951
1952	---	123 ON APR 8	0 B ON MAR 1	105 000	1952
1953	---	11.7 ON MAY 14	0 B ON MAR 1	14 200	1953
				33 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BERRY CREEK RESERVOIR OUTLET - STATION NO. 05CH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0	0	0	0	0	---	---	---	1983
1984	---	---	0	0	0	0	0	0	0	0.317	---	---	---	1984
MEAN	---	---	0	0	0	0	0	0	0	0.159	---	---	---	MEAN

LOCATION - LAT 51 14 23 N DRAINAGE AREA, 1 930 km²
LONG 111 37 51 W REGULATED SINCE 1983

BERRY CREEK RESERVOIR OUTLET - STATION NO. 05CH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0A ON MAY 10 *	---	1983
1984	1.83 AT 00:45 MST ON OCT 11 *	1.72 ON OCT 11 *	0A ON FEB 22	---	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0.008	0.003	0	0	---	---	---	1967
1968	---	---	0.248	0.011	0	0	0	0.008	0.006	0.009	---	---	0.036	1968
1969	---	---	0	2.93	0.048	0.001	0.014	0	0.012	0	---	---	0.368	1969
1970	---	---	0	3.71	0.128	0.110	1.78	0.110	0.007	0.004	---	---	0.725	1970
1971	---	---	0	3.38	0.088	0.020	0.545	0.005	0	0	---	---	0.487	1971
1972	---	---	0	0.719	0.019	0.400	0.140	0.007	0.001	0	---	---	0.158	1972
1973	---	---	0.328	0.527	0.087	1.18	0.128	0.548	0.001	0.001	---	---	0.341	1973
1974	---	---	0	7.17	2.18	0.188	0.075	0	0	0	---	---	1.18	1974
1975	---	---	0	1.91	1.42	0.026	0.271	0.001	0	0	---	---	0.451	1975
1976	---	---	0.002	1.64	0.004	0	0	0	0	0	---	---	0.180	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.179	0.828	0	0.048	0.004	0	0.818	0.032	---	---	0.224	1978
1979	---	---	0.588	0.355	0.048	0.010	0	0	0	0	---	---	0.128	1979
1980	---	---	0	0.619	0.005	0.004	0	0	0	0	---	---	0.077	1980
1981	---	---	0.188	0.019	0.002	0	0	0	0	0	---	---	0.026	1981
1982	---	---	0	0.313	0.007	0	0.015	0	0	0	---	---	0.041	1982
1983	---	---	0.008	0.088	0.008	0.192	0.536	0.001	0	0	---	---	0.104	1983
1984	---	---	0.030	0.040	0	0	0	0	0.003	0.001	---	---	0.009	1984
MEAN	---	---	0.093	1.41	0.237	0.127	0.185	0.038	0.083	0.003	---	---	0.288	MEAN

LOCATION - LAT 52 26 04 N, LONG 112 21 18 W. DRAINAGE AREA, 223 km^2. NATURAL FLOW

BIGKNIFE CREEK NEAR GADSBY - STATION NO. 05FC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0E ON AUG 18 *	---	1967
1968	---	0.8788 ON MAR 1	0 ON MAY 1	758	1968
1969	---	18.7 ON APR 10	0B ON MAR 1	7 780	1969
1970	19.3 B AT 09:30 MST ON APR 12	18.9 B ON APR 12	0B ON MAR 1	15 400	1970
1971	14.0 AT 04:00 MST ON APR 15	13.7 ON APR 15	0B ON MAR 1	10 800	1971
1972	5.44 AT 09:00 MST ON JUN 11	3.40 B ON APR 8	0B ON MAR 1	3 380	1972
1973	7.93 AT 18:30 MST ON JUN 18	7.45 ON JUN 18	0B ON MAR 1	7 230	1973
1974	41.1 A AT 20:00 MST ON APR 22 *	37.7 A ON APR 22 *	0B ON MAR 1	28 100	1974
1975	11.8 AT 05:30 MST ON APR 26	11.2 ON APR 26	0B ON MAR 1	9 550	1975
1976	6.50 AT 08:30 MST ON APR 9	5.38 ON APR 9	0B ON MAR 1	4 020	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	5.84 AT 04:00 MST ON SEP 14	4.78 ON SEP 14	0B ON MAR 1	4 730	1978
1979	4.00 B AT 10:30 MST ON MAR 18	3.80 B ON MAR 18	0B ON MAR 1	2 870	1979
1980	3.57 AT 23:00 MST ON APR 12	3.35 ON APR 14	0B ON MAR 1	1 830	1980
1981	0.8848 AT 15:50 MST ON MAR 15	0.8858 ON MAR 15	0 ON JUN 1	888	1981
1982	---	2.89 B ON APR 17	0B ON MAR 1	872	1982
1983	3.54 AT 08:36 MST ON JUL 5	3.36 ON JUL 5	0B ON MAR 1	2 210	1983
1984	---	0.8188 ON MAR 31	0B ON MAR 1	192	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	5 880	MEAN

BIGSTONE CREEK NEAR BIGSTONE - STATION NO. 05FA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	5.19	---	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	5.19	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 02 16 N, LONG 113 26 08 W. DRAINAGE AREA, 680 km^2. REGULATED

BIGSTONE CREEK NEAR BIGSTONE - STATION NO. 05FA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	19.3 ON APR 13 *	0B ON APR 1 *	---	1925
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	---	---	89.1	18.9	41.1	22.3	6.45	---	1987
1988	1.15	0.787	0.954	37.7	154	84.5	98.6	40.8	51.3	43.6	29.8	7.34	45.3	1988
1989	1.99	1.17	0.784	126	147	32.1	6.63	2.95	2.88	4.16	1.55	0.865	27.3	1989
1970	0.488	0.451	0.359	18.9	82.5	26.0	13.6	8.19	7.83	12.9	3.72	0.864	12.9	1970
1971	0.499	0.422	0.209	29.3	31.0	13.5	26.6	7.39	46.7	29.0	10.7	4.31	16.7	1971
1972	1.08	0.682	0.821	4.44	232	36.0	35.3	7.86	4.20	8.86	3.33	1.33	28.5	1972
1973	1.38	0.982	0.575	9.13	76.6	139	185	172	46.1	46.9	37.3	8.91	60.6	1973
1974	3.38	1.86	1.16	84.7	224	49.2	200	51.2	25.7	22.0	7.87	2.95	58.7	1974
1975	1.50	1.13	1.05	22.7	107	182	95.8	72.8	217	95.3	28.2	5.18	67.7	1975
1976	2.01	1.42	1.26	107	55.1	41.5	48.1	29.1	12.9	29.4	12.5	2.82	28.4	1976
1977	1.48	0.917	0.603	20.1	31.8	31.5	62.4	26.9	14.0	20.1	9.00	1.34	18.5	1977
1978	0.735	0.601	0.350	10.2	82.2	37.4	16.5	10.5	90.5	146	31.6	8.79	34.4	1978
1979	2.06	1.05	0.780	1.13	138	87.6	18.5	13.2	38.2	22.7	14.9	4.56	28.6	1979
1980	1.30	0.630	0.422	18.8	11.1	10.3	23.4	66.9	23.8	16.1	3.74	0.902	14.9	1980
1981	0.585	0.353	0.374	5.79	88.2	20.5	15.1	6.06	1.52	2.64	2.33	0.855	10.5	1981
1982	0.308	0.211	0.187	5.67	128	21.8	4.57	7.08	9.82	5.32	1.74	0.676	15.7	1982
1983	0.618	0.585	0.465	41.7	90.2	23.5	54.3	50.4	16.3	11.3	8.96	1.63	25.2	1983
1984	0.791	0.551	0.535	23.8	29.3	224	113	31.1	83.0	43.8	17.2	5.11	47.5	1984
MEAN	1.25	0.811	0.639	33.3	96.8	60.2	59.7	37.3	39.9	33.3	13.7	3.38	31.7	MEAN

LOCATION - LAT 58 18 40 N
LONG 113 04 05 W
DRAINAGE AREA, 9 880 km²
NATURAL FLOW

BIRCH RIVER BELOW ALICE CREEK - STATION NO. 07KE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1987	---	---	---	---	1987
1988	---	227 ON MAY 9	0.8808 ON JAN 25	1 430 000	1988
1989	334 AT 15:51 MST ON APR 30	331 ON APR 30	0.5868 ON MAR 29	860 000	1989
1970	---	89.2 ON MAY 3	0.3288 ON MAR 9	407 000	1970
1971	118 AT 12:00 MST ON APR 25	113 ON APR 25	0.1428 ON APR 6 *	527 000	1971
1972	357 AT 22:00 MST ON MAY 13	357 ON MAY 13	0.5248 ON APR 12	900 000	1972
1973	255 AT 11:00 MST ON AUG 7	254 ON AUG 8	0.4768 ON MAR 29	1 910 000	1973
1974	382 AT 21:40 MST ON MAY 2	380 ON MAY 2	0.9918 ON APR 2	1 790 000	1974
1975	---	328 A ON SEP 9	0.9348 ON MAR 17	2 130 000	1975
1976	---	227 B ON APR 17	1.22 B ON MAR 20	893 000	1976
1977	85.8 AT 08:36 MST ON JUL 23	85.5 ON JUL 23	0.5808 ON MAR 24	583 000	1977
1978	188 AT 03:25 MST ON OCT 8	188 ON OCT 8	0.2978 ON MAR 20	1 090 000	1978
1979	233 AT 04:55 MST ON MAY 19	232 ON MAY 18	0.7058 ON APR 5	901 000	1979
1980	101 AT 05:35 MST ON AUG 12	100 ON AUG 12	0.4008 ON MAR 11	470 000	1980
1981	---	185 E ON MAY 1	0.3208 ON FEB 12	331 000	1981
1982	182 AT 10:50 MST ON MAY 5	181 ON MAY 5	0.1718 ON APR 9	494 000	1982
1983	188 AT 00:00 MST ON APR 27	185 ON APR 27	0.3408 ON APR 10	785 000	1983
1984	404 AT 14:45 MST ON JUN 3 *	394 ON JUN 3 *	0.4458 ON MAR 4	1 500 000	1984
				1 000 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05PE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0	0.737	0.058	0.034	0.007	0.003	0.005	0.017	---	---	0.108	1980
1981	---	---	0.138	0.343	0.012	0.005	0	0	0	0	---	---	0.061	1981
1982	---	---	0	0.052	0.007	0.018	0.028	0.001	0	0.006	---	---	0.013	1982
1983	---	---	0	0.121	0.028	0.002	0.005	0	0	0.001	---	---	0.019	1983
MEAN	---	---	0.034	0.313	0.026	0.015	0.009	0.001	0.001	0.006	---	---	0.050	MEAN

LOCATION - LAT 52 57 20 N
LONG 110 00 38 W
DRAINAGE AREA, 705 km²
NATURAL FLOW

BLACKFOOT CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 05PE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	5.808 AT 23:30 CST ON APR 14 *	4.42 B ON APR 14 *	0B ON MAR 1 *	2 240	1980
1981	---	1.06 B ON APR 7	0B ON MAR 1	1 300	1981
1982	---	0.300E ON APR 17	0B ON MAR 1	285	1982
1983	---	0.950B ON APR 7	0B ON MAR 1	404	1983
				1 060	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0.829	0.471	0.138	0.081	0.118	0.002	---	---	---	---	1935
1936	---	---	---	4.86	5.03	1.33	0.238	0.072	0.004	---	---	---	---	1936
1977	---	---	---	---	---	---	---	0.003	0.008	0.003	---	---	---	1977
1978	---	---	0.174	0.757	0.054	0.014	0.035	0.053	0.907	0.785	---	---	0.348	1978
1979	---	---	2.58	4.14	1.21	0.423	0.880	0.469	0.118	0.094	---	---	1.21	1979
1980	---	---	0.029	4.14	0.359	0.282	0.307	0.894	3.18	1.22	---	---	1.30	1980
1981	---	---	3.98	2.33	0.376	0.058	0.317	0.118	0.010	0.058	---	---	0.778	1981
1982	---	---	0	4.88	3.12	0.042	2.88	0.237	0.085	0.078	---	---	1.41	1982
1983	---	---	0.577	1.56	0.105	2.53	5.27	0.258	0.015	0.047	---	---	1.68	1983
1984	---	---	0.932	0.712	0.055	0.078	0.041	0	0.135	0.094	---	---	0.255	1984
MEAN	---	---	1.04	2.67	1.20	0.543	1.42	0.233	0.443	0.299	---	---	0.997	MEAN

LOCATION - LAT 53 24 50 N DRAINAGE AREA, 843 km²
LONG 113 30 56 W NATURAL FLOW

BLACKMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1935	---	3.14 ON APR 21	0 ON APR 1 *	---	1935
1936	---	15.0 ON APR 15	0 ON APR 1	---	1936
1977	---	---	0 ON AUG 14	---	1977
1978	2.17 AT 08:50 MST ON APR 5	1.78 ON SEP 18	0 B ON MAR 1	7 310	1978
1979	9.020 AT 11:10 MST ON MAR 21	7.308 ON MAR 21	0 B ON MAR 1	25 500	1979
1980	7.58 AT 08:25 MST ON AUG 28	5.88 ON APR 15	0 B ON MAR 1	27 400	1980
1981	---	6.308 ON MAR 26	0.002 ON SEP 17	18 500	1981
1982	14.5 AT 15:40 MST ON APR 27	14.1 B ON APR 27	0 B ON MAR 1	29 900	1982
1983	19.4 AT 04:35 MST ON JUL 7 *	16.8 ON JUL 7 *	0 B ON MAR 1	35 400	1983
1984	---	3.708 ON MAR 27	0 B ON MAR 1	5 400	1984
				21 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	5.42	11.2	22.1	13.6	18.0	8.43	4.85	1.84	---	1916
1917	1.84	1.33	1.17	27.7	24.2	7.12	3.77	1.83	1.67	2.42	1.94	1.26	8.32	1917
1918	0.986	0.827	1.51	8.85	3.15	3.44	1.30	0.814	0.780	0.628	0.606	0.483	2.03	1918
1919	0.488	0.404	0.907	5.91	5.27	3.70	0.848	1.07	2.17	0.984	0.738	0.282	1.90	1919
1920	0.187	0.097	0.218	21.9	89.3	10.4	1.77	0.898	0.887	0.895	0.898	0.277	8.14	1920
1921	0.270	0.354	0.411	12.8	3.17	2.78	1.30	0.894	0.309	0.431	0.287	0.078	1.92	1921
1922	0.082	0.039	0.118	3.31	1.59	0.848	0.581	0.734	0.438	0.471	0.220	---	---	1922
1923	---	---	---	3.32	0.880	---	---	---	---	---	---	---	---	1923
1962	---	---	---	7.81	0.886	1.82	0.447	1.04	1.28	0.448	---	---	---	1962
1963	---	---	4.21	12.6	3.84	1.12	3.81	0.475	0.171	0.138	---	---	---	1963
1964	---	---	0.388	1.81	5.54	2.08	0.890	0.352	4.28	2.43	---	---	---	1964
1965	---	---	0.287	42.2	11.9	10.5	18.2	1.38	1.80	1.19	---	---	---	1965
1966	---	---	1.92	16.8	2.80	1.48	1.08	0.631	0.719	0.748	---	---	---	1966
1967	---	---	0.083	8.59	3.84	4.75	0.858	0.231	0.084	0.080	---	---	---	1967
1968	---	---	1.04	1.15	0.482	0.803	1.44	0.785	0.385	0.882	---	---	---	1968
1969	---	---	0.181	18.0	1.70	0.348	3.23	0.832	1.85	1.89	0.841	0.480	---	1969
1970	0.305	0.187	0.238	15.5	2.26	2.24	3.88	0.848	0.285	0.582	0.584	0.232	2.25	1970
1971	0.203	0.211	0.230	27.1	3.14	3.82	8.25	0.441	0.282	0.378	0.250	0.189	3.88	1971
1972	0.122	0.058	0.198	11.7	3.68	3.74	1.87	0.898	0.298	0.582	0.444	0.204	1.95	1972
1973	0.285	0.188	1.86	15.4	4.07	3.50	9.04	7.81	1.58	1.02	0.858	0.489	3.83	1973
1974	0.389	0.347	0.387	40.5	11.8	5.19	8.48	0.847	0.822	0.828	0.475	0.254	5.83	1974
1975	0.268	0.267	0.301	9.11	5.01	1.37	0.988	0.209	0.218	0.198	0.238	0.220	1.83	1975
1976	0.144	0.174	0.249	4.82	0.884	0.478	0.233	1.24	0.250	0.380	0.282	0.234	0.785	1976
1977	0.208	0.211	0.231	3.42	6.21	2.48	0.089	0.118	0.805	0.314	0.200	0.203	1.38	1977
1978	0.176	0.182	3.59	5.87	2.43	2.83	0.230	0.189	1.28	0.785	0.678	0.471	1.84	1978
1979	0.127	0.071	3.17	4.81	2.44	0.887	0.511	0.043	0.034	0.027	0.200	0.287	1.03	1979
1980	0.108	0.084	0.109	10.8	1.08	11.1	8.70	4.84	5.41	1.09	1.25	0.875	3.85	1980
1981	0.359	0.358	7.89	2.25	8.07	2.89	10.7	12.7	0.518	0.814	0.984	0.359	3.88	1981
1982	0.238	0.487	0.530	20.4	4.25	1.84	36.8	3.77	2.75	2.82	0.980	0.443	8.14	1982
1983	0.325	0.385	2.22	14.1	3.17	1.89	5.44	0.777	0.477	0.575	0.512	0.487	2.81	1983
1984	0.272	0.342	1.57	3.87	3.84	2.88	0.193	0.087	1.48	0.988	0.913	0.288	1.38	1984
MEAN	0.339	0.320	1.28	12.7	8.32	3.81	4.85	1.87	1.88	1.11	0.789	0.434	3.07	MEAN

LOCATION - LAT 52 21 14 N DRAINAGE AREA, 1 780 km²
LONG 113 47 35 W NATURAL FLOW

BLINDMAN RIVER NEAR BLACKFALDS - STATION NO. 05CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	72.5 ON JUN 27	---	---	---	1915
1916	---	80.6 ON JUL 5	---	---	1916
1917	---	81.3 ON APR 11	0.5568 ON DEC 27	199 000	1917
1918	---	15.9 ON APR 11	0.2838 ON NOV 22	84 000	1918
1919	---	16.0 ON MAY 10	0.1138 ON DEC 16	59 800	1919
1920	---	210 ON MAY 8 *	0.0578 ON JAN 24	258 000	1920
1921	---	40.6 ON APR 17	0.0148 ON DEC 16	80 800	1921
1922	---	13.38 ON APR 28	0.0148 ON FEB 17	---	1922
1923	---	---	---	---	1923
1982	---	38.28 ON APR 5	---	---	1982
1983	---	30.0 ON APR 17	---	---	1983
1984	---	29.7 ON MAY 5	---	---	1984
1985	---	103 ON APR 26	---	---	1985
1986	---	99.4 ON APR 2	---	---	1986
1987	---	33.28 ON APR 27	0 ON SEP 23 *	---	1987
1988	---	16.5 ON JUL 26	0 ON JUL 16	---	1988
1989	---	94.3 ON APR 5	---	---	1989
1970	---	45.0 ON APR 7	0.1708 ON FEB 16	71 000	1970
1971	---	77.8 ON APR 22	0.138 ON AUG 25	116 000	1971
1972	---	43.38 ON APR 5	0.0578 ON FEB 5	61 700	1972
1973	---	53.2 ON JUL 3	0.1428 ON FEB 2	121 000	1973
1974	181 A ON APR 19	148 A ON APR 20	0.2248 ON DEC 16	178 000	1974
1975	39.48 AT 16:30 MST ON APR 22	36.58 ON APR 22	0.116 ON AUG 15	48 300	1975
1976	35.7 AT 11:30 MST ON APR 10	29.4 ON APR 10	0.051 ON JUL 21	24 200	1976
1977	35.1 AT 07:00 MST ON MAY 31	32.3 ON MAY 31	0.018 ON JUN 25	43 000	1977
1978	42.58 AT 07:00 MST ON MAR 29	30.88 ON MAR 30	0.034 ON AUG 7	48 500	1978
1979	---	15.02 ON APR 22	0.017 ON OCT 4	32 500	1979
1980	83.7 AT 07:00 MST ON JUL 2	48.3 ON JUN 5	0.040 ON MAY 31	112 000	1980
1981	140 AT 11:30 MST ON AUG 1	135 ON AUG 1	0.050 ON JUL 13	132 000	1981
1982	180 AT 01:44 MST ON JUL 7 *	169 ON JUL 7	0.1758 ON JAN 23	184 000	1982
1983	---	39.08 ON APR 3	0.2308 ON DEC 28	79 200	1983
1984	---	15.48 ON APR 2	0.003 ON SEP 5	43 700	1984
				95 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05CC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	0.046	14.0	5.65	11.7	4.78	0.255	0.881	0.349	---	---	4.76	1985
1986	---	---	0.772	3.06	1.31	0.586	0.436	0.844	0.197	0.158	---	---	0.891	1986
1987	---	---	0.031	2.38	2.12	2.13	0.149	0.025	0	0.003	---	---	0.847	1987
1988	---	---	0.686	0.507	0.087	0.011	0.226	0.177	0.045	0.082	---	---	0.223	1988
1989	---	---	0.026	2.99	0.686	0.096	3.46	0.850	1.18	1.12	---	---	1.30	1989
1970	---	---	0.034	4.90	1.35	0.717	1.11	0.134	0.033	0.123	---	---	1.03	1970
1971	---	---	0.031	11.0	1.18	2.14	3.40	0.042	0.011	0.026	---	---	2.20	1971
1972	---	---	0.111	4.26	1.58	2.37	0.701	0.178	0.049	0.154	---	---	1.18	1972
1973	---	---	0.276	8.90	2.24	3.12	4.83	3.44	0.332	0.381	---	---	2.66	1973
1974	---	---	0.073	15.9	5.12	3.17	3.12	0.096	0.086	0.103	---	---	3.30	1974
1975	---	---	0.014	2.80	2.42	0.407	0.171	0.012	0.014	0.040	---	---	0.706	1975
1976	---	---	0.021	1.74	0.088	0.230	0.089	1.08	0.203	0.075	---	---	0.437	1976
1977	---	---	0.048	1.85	5.37	0.883	0.084	0.278	0.822	0.280	---	---	1.28	1977
1978	---	---	1.12	1.94	2.27	1.24	0.332	0.071	1.02	0.308	---	---	1.03	1978
1979	---	---	1.23	2.10	1.26	0.840	0.289	0.083	0.028	0.047	---	---	0.891	1979
1980	---	---	0.020	4.70	1.34	11.5	2.78	4.21	4.21	0.812	---	---	3.83	1980
1981	---	---	2.23	0.757	3.75	1.17	8.35	1.77	0.091	0.185	---	---	2.43	1981
1982	---	---	0.070	7.35	2.26	0.426	20.8	0.484	0.478	0.758	---	---	4.11	1982
1983	---	---	0.883	4.73	0.869	0.471	1.43	0.048	0.013	0.080	---	---	1.03	1983
1984	---	---	0.877	1.59	1.80	1.10	0.038	0.008	0.815	0.725	---	---	0.879	1984
MEAN	---	---	0.415	4.78	2.24	2.15	2.87	0.880	0.815	0.278	---	---	1.73	MEAN

LOCATION - LAT 52 46 22 N
LONG 114 17 03 W
DRAINAGE AREA, 362 km^2
NATURAL FLOW

BLINDMAN RIVER NEAR BLUFFTON - STATION NO. 05EC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	68.8A AT 11:00 MST ON JUN 1 *	59.2 A ON JUN 1	0.0288 ON MAR 1	101 000	1985
1986	---	13.5 B ON APR 2	0.028 ON SEP 20	18 900	1986
1987	---	9.408 ON APR 24	0 ON AUG 23 *	17 900	1987
1988	---	2.089 ON MAR 5	0 ON JUN 18	4 710	1988
1989	---	33.1 ON JUL 7	0.0085 ON MAR 1	27 400	1989
1970	---	14.1 ON APR 7	0.0118 ON MAR 1	21 700	1970
1971	---	55.2 ON APR 21	0.003 ON AUG 23	46 800	1971
1972	---	23.1 ON JUN 25	0.006 ON MAR 1	24 800	1972
1973	---	51.0 ON JUL 2	0.0878 ON MAR 1	58 300	1973
1974	---	57.8 ON APR 18	0.024 ON SEP 24	69 800	1974
1975	---	13.8 B ON APR 20	0.007 ON AUG 18	14 800	1975
1976	---	11.8 B ON APR 2	0.001 ON JUL 30	8 250	1976
1977	---	33.8 ON MAY 30	0.001 ON JUL 28	27 400	1977
1978	---	15.9 ON MAY 31	0.0018 ON MAR 1	21 800	1978
1979	---	6.80 ON APR 21	0 ON SEP 3	14 800	1979
1980	---	84.1 ON JUN 4	0.030 ON MAY 22	78 800	1980
1981	---	124 ON JUL 30	0.035 ON SEP 17	61 800	1981
1982	---	157 ON JUL 5 *	0.0398 ON MAR 1	86 800	1982
1983	---	13.6 ON APR 8	0 ON SEP 4	21 800	1983
1984	---	7.988 ON MAR 30	0.002 ON AUG 23	18 800	1984
				36 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK AT HOGARTH'S RANCH - STATION NO. 05CK003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	0	0.848	0.023	0	---	---	---	---	---	---	---	193
MEAN	---	---	0	0.848	0.023	0	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 02 10 N, LONG 111 14 10 W
DRAINAGE AREA, 884 km^2
NATURAL FLOW

BLOOD INDIAN CREEK AT HOGARTH'S RANCH - STATION NO. 05CK003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1938	---	7.08E ON APR 13 *	0 ON MAR 1 *	---	1938
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

BLOOD INDIAN CREEK NEAR CABIN LAKE - STATION NO. 05CK007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0	0	0	0	0.047	---	---	---	1983
1984	---	---	0.001	0.001	0	0	0	0	0	0	---	---	---	1984
MEAN	---	---	0.001	0.001	0	0	0	0	0	0.024	---	---	---	MEAN

LOCATION - LAT 51 05 44 N, LONG 111 14 18 W
DRAINAGE AREA, 320 km^2
NATURAL FLOW

BLOOD INDIAN CREEK NEAR CABIN LAKE - STATION NO. 05CK007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	0.343 AT 13:05 MST ON OCT 15 *	0.337 ON OCT 15 *	0A ON MAY 10 *	---	1983
1984	---	0.0108 ON MAR 30	0A ON FEB 22	---	1984
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	0.055	0.026	0.028	0.028	---	---	---	1911
1912	---	---	---	---	---	---	0.052	0.013	0.023	0.014	---	---	---	1912
1984	---	---	0.014	0.011	0.012	0.008	0.007	0.008	0.017	0.008	---	---	0.010	1984
1985	---	---	0.005	4.30	0.012	0.009	0.007	0.005	0.008	0.008	---	---	0.534	1985
1986	---	---	0.851	0.404	0.008	0.008	0.008	0.008	0.008	0.008	---	---	0.175	1986
1987	---	---	0.184	1.24	1.74	0.004	0.004	0.008	0.008	0.008	---	---	0.388	1987
1988	---	---	0.007	0.013	0.012	0.009	---	---	0.012	0.012	---	---	---	1988
1989	---	---	0.007	0.385	0.032	0.039	0.028	0.024	0.027	0.027	---	---	0.058	1989
1970	---	---	0.018	0 881	0.018	0.018	0.017	0.013	0.008	0.007	---	---	0.128	1970
1971	---	---	0.013	4.70	0.307	0.054	0.018	0.017	0.018	0.018	---	---	0.530	1971
1972	---	---	0.018	0.014	0.012	0.010	0.008	0.008	0.008	0.008	---	---	0.010	1972
1973	---	---	0.021	0.022	0.024	0.274	0.020	0.014	0.018	0.020	---	---	0.051	1973
1974	---	---	0.022	2.57	0.270	0.025	0.058	0.055	0.013	0.008	---	---	0.372	1974
1976	---	---	0.018	0.018	0.014	0.018	0.014	0.015	0.008	0.002	---	---	0.013	1976
1977	---	---	0.012	0.005	0.004	0.005	0.005	0.007	0.004	0.003	---	---	0.005	1977
1978	---	---	0.008	0.005	0.003	0.002	0.002	0.002	0.002	0.004	---	---	0.004	1978
1979	---	---	0.030	0.009	0.008	0.005	0.002	0.001	0.003	0.005	---	---	0.008	1979
1980	---	---	0.038	0.010	0.004	0.003	0.002	0.003	0.003	0.003	---	---	0.008	1980
1981	---	---	0.004	0.005	0.005	0.002	0.002	0.002	0.002	0.004	---	---	0.003	1981
1982	---	---	0.007	0.004	0.004	0.003	0.003	0.003	0.003	0.002	---	---	0.004	1982
1983	---	---	0.004	0.004	0.003	0.002	0.002	0.002	0.002	0.002	---	---	0.003	1983
1984	---	---	0.005	0.005	0.004	0.003	0.002	0.002	0.004	0.007	---	---	0.004	1984
MEAN	---	---	0.089	0.733	0.128	0.025	0.018	0.011	0.010	0.008	---	---	0.128	MEAN

LOCATION - LAT 60 57 25 N DRAINAGE AREA, 835 km²
LONG 111 03 30 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

BLOOD INDIAN CREEK NEAR THE MOUTH - STATION NO. 05CK001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1984	0.028 AT 03:00 MST ON SEP 2	0.025 ON SEP 2	0.008 ON JUL 5	221	1984
1985	34.5 AT 21:00 MST ON APR 10 *	34.9 ON APR 10	0 B ON MAR 1 *	11 300	1985
1986	19.5 B AT 12:00 MST ON MAR 31	13.6 B ON MAR 31	0 B ON MAR 4	3 710	1986
1987	7.08 AT 03:30 MST ON MAY 2	5.38 ON MAY 2	0.003 ON JUN 5	8 430	1987
1988	---	0.016 ON SEP 15	---	---	1988
1989	---	1.94 ON APR 13	0 B ON MAR 1	1 430	1989
1970	11.7 AT 16:00 MST ON APR 7	10.0 ON APR 7	0.003 ON AUG 30	2 740	1970
1971	32.0 AT 11:00 MST ON APR 16	27.2 ON APR 16 *	0.008B ON MAR 1	13 400	1971
1972	0.084 AT 20:55 MST ON MAR 22	0.025 ON MAR 23	0.002 ON AUG 23	212	1972
1973	3.94 AT 13:40 MST ON JUN 18	2.55 ON JUN 18	0.008B ON MAR 1	1 080	1973
1974	26.1 AT 21:20 MST ON APR 18	19.4 ON APR 18	0.005 ON OCT 4	7 880	1974
1976	---	0.052E ON APR 11	0 ON OCT 23	275	1976
1977	---	0.018B ON MAR 1	0.001E ON OCT 31	117	1977
1978	---	0.034B ON MAR 29	0.001 ON SEP 22	78.4	1978
1979	---	0.055B ON MAR 19	0.001 ON JUL 31	183	1979
1980	---	0.192B ON MAR 23	0 B ON MAR 1	177	1980
1981	0.011 AT 02:00 MST ON JUL 29	0.006 ON OCT 28	0.001 ON JUN 19	89.3	1981
1982	---	0.041B ON MAR 12	0.002 ON JUL 15	78.1	1982
1983	0.088 AT 13:44 MST ON MAR 10	0.015 ON MAR 10	0.001 ON MAR 17	54.8	1983
1984	0.015 AT 20:08 MST ON MAR 27	0.011 ON MAR 27	0.003B ON MAR 1	89.2	1984
				2 710	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOULTON CREEK NEAR MOUTH - STATION NO. 05BF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1936	---	---	---	---	---	0.603	0.231	0.090	0.053	0.022	---	---	---	1936
1937	---	---	---	---	0.588	1.51	0.878	0.208	0.088	0.070	0.057	---	---	1937
1938	---	---	---	---	---	2.38	0.882	0.288	0.208	0.204	---	---	---	1938
1939	---	---	---	---	---	1.03	---	---	---	---	---	---	---	1939
1940	---	---	---	---	---	0.735	---	---	---	---	---	---	---	1940
1941	---	---	---	---	---	0.518	---	---	---	---	---	---	---	1941
MEAN	---	---	---	---	0.588	1.18	0.591	0.198	0.119	0.099	0.057	---	---	MEAN

LOCATION - LAT 50 38 00 N DRAINAGE AREA, 31.3 km²
LONG 115 07 30 W NATURAL FLOW

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BOULTON CREEK NEAR MOUTH - STATION NO. 05BF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
		---	---	---	
1936	---	---	---	---	1936
1937	---	2.80 ON JUN 17 *	---	---	1937
1938	---	---	---	---	1938
1939	---	---	---	---	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOUNDARY CREEK AT HILLMER'S RANCH - STATION NO. 05AE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	0.378	0.303	0.243	0.283	0.257	---	---	1913
1914	---	---	---	0.382	0.486	0.243	0.110	0.090	0.108	0.345	---	---	0.253	1914
1915	---	---	---	0.443	0.787	2.50	1.85	0.828	0.715	0.689	---	---	1.07	1915
1916	---	---	---	0.718	0.936	1.71	0.754	0.347	0.316	0.394	---	---	0.737	1916
1917	---	---	---	---	1.60	1.46	0.334	0.198	0.150	0.171	---	---	---	1917
1918	---	---	---	---	0.486	0.191	0.128	0.097	0.091	0.083	---	---	---	1918
1919	---	---	---	0.228	0.147	0.049	0.009	0	0	0.024	---	---	0.065	1919
MEAN	---	---	---	0.448	0.750	1.03	0.466	0.265	0.232	0.267	0.257	---	0.531	MEAN

LOCATION - LAT 49 03 00 N LONG 113 28 40 W
DRAINAGE AREA, 90.1 km^2
REGULATED

BOUNDARY CREEK AT HILLMER'S RANCH - STATION NO. 05AE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
		---	---	---	
1913	---	---	---	---	1913
1914	---	0.991 ON APR 1	0 ON APR 3 *	4 880	1914
1915	---	7.84 ON JUN 4 *	0.320 ON APR 28	19 800	1915
1916	---	2.27 ON JUN 11	0.201 ON SEP 25	13 800	1916
1917	---	2.86 ON MAY 31	---	---	1917
1918	---	0.623 ON MAY 18	---	---	1918
1919	---	0.623 ON MAY 9	0 ON JUL 23	1 200	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 620	MEAN

BOUNDARY CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD030

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	0.555	0.201	0.155	1.13	8.66	9.52	2.83	1.31	0.714	3.15	1.32	0.883	2.34	1948
1949	0.237	0.227	0.280	1.31	8.52	8.34	2.45	0.994	0.778	0.832	1.35	1.15	1.88	1949
1950	0.405	0.402	0.420	0.881	3.55	9.39	5.88	1.72	0.668	2.28	1.82	1.17	2.44	1950
1951	0.660	0.838	0.400	1.75	8.87	8.92	5.74	1.80	2.81	2.82	0.858	0.416	2.83	1951
1952	0.244	0.272	0.171	2.48	8.28	5.14	2.82	1.38	0.824	0.383	0.228	0.215	1.88	1952
1953	0.719	0.883	0.337	1.15	5.42	10.8	5.88	1.57	0.783	0.374	0.838	0.535	2.41	1953
1954	0.313	0.364	0.313	0.762	8.60	8.48	7.17	2.22	1.59	2.03	1.29	0.725	2.88	1954
1955	0.489	0.288	0.259	0.384	2.73	9.27	4.87	1.30	0.600	2.07	1.28	0.830	2.01	1955
1956	0.450	0.268	0.319	1.22	8.77	8.81	4.15	1.44	0.761	1.18	0.648	0.528	2.20	1956
1957	0.307	0.303	0.388	0.784	8.87	8.89	2.02	0.844	0.588	---	---	---	---	1957
1958	---	---	---	---	---	8.77	1.85	1.01	0.798	0.887	0.662	0.586	---	1958
1959	---	---	---	---	---	10.6	4.49	1.38	2.42	2.56	1.07	---	---	1959
1960	---	---	---	---	---	7.59	3.21	1.14	0.747	0.480	0.571	---	---	1960
1961	---	---	---	---	---	8.27	2.38	0.882	0.780	1.58	0.692	0.467	---	1961
1962	---	---	---	---	---	8.84	3.48	1.18	0.762	1.10	1.15	---	---	1962
1963	---	---	---	---	---	7.74	3.22	0.884	0.688	0.484	0.528	0.374	---	1963
MEAN	0.435	0.374	0.302	1.18	8.01	8.08	3.88	1.33	0.891	1.47	0.852	0.623	2.25	MEAN

LOCATION - LAT 48 58 50 N LONG 113 54 20 W
DRAINAGE AREA, 83.8 km^2
NATURAL FLOW
INTERNATIONAL GAUGING STATION

BOUNDARY CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD030

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1948	14.3 AT 19:30 MST ON MAY 22	12.9 ON MAY 28	0.1138 ON MAR 23 *	74 000	1948
1949	11.2 AT 03:00 MST ON MAY 28	10.4 ON MAY 28	0.1586 ON FEB 18	58 700	1949
1950	21.8 ON JUN 22	17.0 ON JUN 22	0.2278 ON JAN 14	78 800	1950
1951	18.0 AT 09:30 MST ON JUN 15	13.8 ON JUN 15	0.2688 ON DEC 30	83 000	1951
1952	10.4 AT 01:00 MST ON OCT 1	9.85 ON MAY 20	0.1538 ON MAR 11	62 800	1952
1953	25.6 AT 05:00 MST ON JUN 4	20.8 ON JUN 4 *	0.1428 ON JAN 7	78 200	1953
1954	15.7 AT 09:00 MST ON MAY 19	14.4 ON MAY 19	0.1708 ON JAN 22	83 800	1954
1955	15.3 AT 02:00 MST ON JUN 23	14.2 ON JUN 23	0.1708 ON MAR 23	83 400	1955
1956	16.6 AT 12:30 MST ON MAY 21	15.3 ON MAY 21	0.1708 ON FEB 17	89 600	1956
1957	13.4 AT 05:00 MST ON MAY 14	12.8 ON MAY 14	0.1988 ON FEB 19	---	1957
1958	12.2 AT 01:00 MST ON MAY 24	11.6 ON MAY 24	---	---	1958
1959	17.7 AT 02:00 MST ON JUN 6	16.4 ON JUN 6	---	---	1959
1960	13.8 AT 04:00 MST ON JUN 3	13.3 ON JUN 3	---	---	1960
1961	14.6 AT 09:30 MST ON JUN 5	13.7 ON MAY 27	---	---	1961
1962	9.91 AT 23:00 MST ON JUN 17	9.32 ON JUN 17	---	---	1962
1963	17.5 AT 07:00 MST ON JUN 10	15.1 ON JUN 10	---	---	1963
				70 900	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.259	0.192	0.145	---	---	---	1980
1981	---	---	---	---	0.038	0.280	0.327	0.295	0.354	0.158	---	---	0.241	1981
1982	---	---	---	---	0.184	0.448	0.488	0.540	0.488	0.075	---	---	0.359	1982
1983	---	---	---	---	0.086	0.378	0.421	0.436	0.356	0.083	---	---	0.289	1983
1984	---	---	---	---	0.201	0.338	0.279	0.201	0.188	0.024	---	---	0.204	1984
MEAN	---	---	---	---	0.122	0.381	0.373	0.346	0.311	0.093	---	---	0.273	MEAN

LOCATION - LAT 49 47 08 N
LONG 112 18 55 W REGULATED

BOUNTIFUL COULEE INFLOW NEAR CRANFORD - STATION NO. 05AG028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	0.004E ON OCT 28	---	1980
1981	---	0.545 ON JUN 28	0 ON OCT 24 *	3 830	1981
1982	---	0.951 ON JUN 30 *	0.002E ON OCT 31	5 710	1982
1983	---	0.617 ON AUG 12	0 ON MAY 6	4 590	1983
1984	---	0.814 ON JUN 10	0 ON OCT 13	3 240	1984
				4 340	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO. 05AG006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.080	0.426	0.411	0.485	0.168	---	---	---	1966
1967	---	---	---	---	---	---	0.440	0.838	---	---	---	---	---	1967
1968	---	---	---	---	0.008	0.249	0.481	0.450	0.373	0.137	---	---	0.278	1968
1969	---	---	---	---	0.185	0.512	0.273	0.390	0.380	0.198	---	---	0.321	1969
1970	---	---	---	---	0.136	0.340	0.510	0.438	0.333	0.173	---	---	0.322	1970
1971	---	---	---	---	---	0.387	0.584	0.547	0.443	0.186	---	---	---	1971
1972	---	---	---	---	0.132	0.802	0.848	0.807	0.481	0.118	---	---	0.458	1972
1973	---	---	---	0.086	0.388	0.558	0.828	0.680	0.564	0.174	---	---	0.477	1973
1974	---	---	---	---	0.048	0.481	0.897	0.854	0.527	0.278	---	---	0.480	1974
1975	---	---	---	---	0.111	0.033	0.488	0.588	0.404	0.135	---	---	0.287	1975
1976	---	---	---	---	0.207	0.640	0.830	0.388	0.378	0.217	---	---	0.388	1976
1977	---	---	---	---	0.547	0.711	0.822	0.414	0.428	0.138	---	---	0.508	1977
1978	---	---	---	---	0.040	0.178	0.526	0.543	0.078	0.080	---	---	0.280	1978
1979	---	---	---	---	0.070	0.804	0.710	0.784	0.383	0.180	---	---	0.433	1979
1980	---	---	---	---	0.478	0.280	0.888	0.585	0.508	0.283	---	---	0.488	1980
1981	---	---	---	---	0.113	0.878	0.835	0.585	0.604	0.238	---	---	0.467	1981
1982	---	---	---	---	0.324	0.847	0.740	0.843	0.688	0.383	---	---	0.562	1982
1983	---	---	---	---	0.110	0.688	0.883	0.738	0.788	0.288	---	---	0.530	1983
1984	---	---	---	---	0.385	0.891	0.788	0.848	0.431	0.181	---	---	0.534	1984
MEAN	---	---	---	0.088	0.204	0.484	0.882	0.588	0.458	0.180	---	---	0.422	MEAN

LOCATION - LAT 49 47 13 N DRAINAGE AREA, 780 km^2
LONG 112 20 15 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

BOUNTIFUL COULEE NEAR CRANFORD - STATION NO. 05AG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	1.01 ON JUL 21	0 ON MAY 1 *	4 410	1968
1969	---	0.869 ON JUN 7	0 ON MAY 4	5 110	1969
1970	---	0.869 ON JUN 14	0 ON MAY 3	5 110	1970
1971	---	0.934 ON JUL 18	---	---	1971
1972	---	1.37 ON JUN 11	0 ON MAY 17	7 280	1972
1973	---	1.32 ON JUN 15	0.003 ON OCT 31	7 590	1973
1974	---	8.51 ON AUG 2 *	0 ON MAY 8	7 310	1974
1975	---	0.883 ON AUG 17	0 ON MAY 2	4 580	1975
1976	---	1.48 ON AUG 8	0.006 ON MAY 4	8 180	1976
1977	---	1.12 ON JUL 3	0.001 ON OCT 28	8 080	1977
1978	---	0.868 ON JUL 4	0 ON MAY 21	4 140	1978
1979	---	3.39 ON AUG 24	0.006 ON OCT 30	8 890	1979
1980	---	2.13 ON MAY 24	0 E ON OCT 23	7 440	1980
1981	---	1.14 ON JUN 13	0.005E ON OCT 22	7 280	1981
1982	---	1.79 ON SEP 27	0.006 ON OCT 24	8 940	1982
1983	---	1.18 ON AUG 7	0 ON MAY 7	8 420	1983
1984	---	1.67 ON JUN 22	0 ON MAY 3	8 500	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 700	MEAN

E - ESTIMATED

BOW GLACIER OUTFLOW - STATION NO. 05BA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2.27	---	---	---	---	---	1973
1975	---	---	---	---	---	---	3.69	---	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	3.69	2.27	---	---	---	---	---	MEAN

LOCATION - LAT 51 40 04 N, LONG 116 29 00 W
DRAINAGE AREA, 24.9 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - UNIVERSITY OF ILLINOIS

BOW GLACIER OUTFLOW - STATION NO. 05BA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1975	---	5.95 ON JUL 12 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER ABOVE BATH CREEK - STATION NO. 05BA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	18.8	23.9	18.7	8.18	4.34	---	---	---	1982
1983	---	---	---	---	12.0	28.2	25.1	18.9	14.0	7.77	---	---	---	1983
MEAN	---	---	---	---	12.0	21.4	24.5	18.8	10.1	6.06	---	---	---	MEAN

LOCATION - LAT 51 28 30 N, LONG 116 12 38 W
DRAINAGE AREA, 348 km^2
NATURAL FLOW

BOW RIVER ABOVE BATH CREEK - STATION NO. 05BA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	38.2 ON JUN 25	---	---	1982
1983	---	43.3 ON JUL 9 *	---	---	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER ABOVE HECTOR LAKE - STATION NO. 05BA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	15.2	8.84	---	---	---	---	---	1974
1975	---	---	---	---	---	---	12.8	8.59	---	---	---	---	---	1975
MEAN	---	---	---	---	---	---	14.0	7.72	---	---	---	---	---	MEAN

LOCATION - LAT 51 34 38 N
LONG 116 19 20 W

DRAINAGE AREA, 192 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
UNIVERSITY OF ILLINOIS

BOW RIVER ABOVE HECTOR LAKE - STATION NO. 05BA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	18.4 ON JUL 14 *	---	---	1975
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER AT BANFF - STATION NO. 05BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	176	184	70.1	44.7	23.8	---	---	---	1909
1910	---	---	---	---	87.5	151	134	78.7	35.8	34.1	---	---	---	1910
1911	9.62	9.28	8.68	10.4	36.1	177	126	72.7	42.8	19.2	11.7	10.8	44.5	1911
1912	8.23	7.85	8.34	8.34	42.0	97.0	101	98.9	52.3	28.8	16.5	12.2	40.1	1912
1913	9.10	7.93	7.24	11.7	38.5	158	101	85.7	55.8	28.8	17.1	11.3	44.8	1913
1914	9.82	8.93	8.07	11.3	52.3	139	136	73.7	42.1	34.5	18.5	10.2	45.8	1914
1915	8.13	7.84	7.53	15.9	45.0	91.6	124	101	44.4	24.8	15.2	12.8	41.8	1915
1916	10.0	9.58	7.67	9.95	27.5	128	153	78.2	50.5	24.8	15.2	10.8	44.8	1916
1917	8.85	7.46	6.49	7.10	48.3	108	123	68.9	38.0	29.2	14.1	9.50	38.8	1917
1918	8.79	7.09	6.72	8.60	40.6	161	97.7	67.4	42.5	26.8	13.8	10.4	41.1	1918
1919	8.49	7.24	5.50	8.59	58.4	105	83.3	75.1	38.6	18.5	10.9	9.38	38.8	1919
1920	8.37	7.36	6.28	7.63	21.9	85.4	183	81.6	38.8	27.1	14.0	10.4	41.3	1920
1921	9.61	8.11	7.68	8.38	50.2	124	101	84.4	26.8	22.4	16.8	11.9	37.8	1921
1922	8.59	8.53	7.62	8.00	49.3	134	80.5	75.1	46.8	27.2	14.0	9.28	40.2	1922
1923	8.79	8.33	8.64	10.5	42.2	159	102	68.0	45.1	24.1	12.9	9.62	41.8	1923
1924	9.60	9.89	8.17	7.20	85.6	88.8	95.6	72.1	42.1	20.1	13.1	9.80	37.0	1924
1925	8.98	8.03	8.82	15.0	98.5	143	106	73.4	44.3	26.8	15.8	11.4	46.7	1925
1926	8.24	7.85	7.09	15.8	40.8	73.2	95.8	62.0	46.5	23.8	14.0	8.76	34.2	1926
1927	7.73	7.21	7.41	8.95	26.4	161	139	85.5	49.8	33.8	17.4	12.7	47.0	1927
1928	9.87	7.76	8.18	10.7	110	167	155	86.9	36.5	18.1	10.8	7.68	51.1	1928
1929	8.36	8.45	8.29	8.45	30.8	126	72.8	66.6	38.2	17.8	10.3	7.94	32.9	1929
1930	8.90	7.08	7.11	15.7	55.0	153	123	76.2	44.7	19.4	11.2	7.81	44.3	1930
1931	7.18	6.48	6.04	7.64	52.8	112	81.7	60.2	42.7	19.3	12.4	8.40	38.8	1931
1932	7.98	12.0	8.50	11.5	60.4	177	104	80.5	44.9	20.3	11.8	9.08	48.8	1932
1933	7.80	7.71	7.54	10.9	43.1	185	133	69.6	38.6	22.8	17.0	9.82	44.8	1933
1934	7.40	6.87	7.31	28.9	118	116	88.5	60.3	35.1	24.6	18.6	9.38	42.9	1934
1935	12.7	8.82	7.70	9.02	40.1	142	138	76.1	38.7	19.1	10.3	7.48	42.7	1935
1936	8.26	8.09	8.38	10.9	74.1	102	72.1	53.3	30.2	16.7	11.0	8.88	33.1	1936
1937	8.62	8.42	8.94	8.97	37.9	80.8	85.5	64.2	37.2	22.7	18.5	10.2	32.0	1937
1938	8.84	7.38	7.78	8.18	53.4	155	100	46.1	47.5	23.8	11.2	8.83	40.2	1938
1939	7.87	8.36	8.92	10.1	65.4	78.4	105	62.8	38.1	24.5	17.5	10.9	36.2	1939
1940	8.11	7.38	7.36	10.0	73.6	112	90.8	68.8	47.7	27.0	14.2	10.3	38.0	1940
1941	7.85	7.05	7.54	12.1	37.2	80.0	74.7	53.3	30.3	21.5	13.7	10.8	30.8	1941
1942	8.56	7.40	8.80	9.26	47.3	86.4	116	73.3	39.5	23.8	13.2	11.1	38.0	1942
1943	10.7	9.01	8.28	15.7	30.8	78.2	142	63.3	29.8	21.3	13.1	9.79	38.2	1943
1944	8.28	7.77	8.56	8.72	48.5	107	88.9	88.8	42.3	24.7	14.9	10.3	34.8	1944
1945	8.38	7.89	7.85	7.84	28.7	87.7	82.4	53.3	32.4	21.2	13.8	10.0	30.3	1945
1946	8.18	8.88	8.44	10.8	71.1	121	87.5	56.3	48.0	24.0	14.4	11.1	38.5	1946
1947	9.68	9.03	8.40	13.7	73.3	128	100	53.7	41.8	38.2	18.9	12.8	42.2	1947
1948	9.88	8.47	8.42	11.3	82.7	168	88.2	70.3	38.5	18.2	12.7	8.48	44.8	1948
1949	7.68	7.19	8.27	9.38	62.4	87.7	83.4	47.3	30.7	18.9	13.7	8.20	28.0	1949
1950	7.87	8.20	8.81	8.86	21.7	185	125	61.2	38.5	20.5	14.6	12.2	40.0	1950
1951	8.27	7.00	6.12	10.7	71.8	107	148	88.8	38.8	26.8	18.4	11.2	43.8	1951
1952	9.76	8.88	7.89	14.0	88.6	117	105	87.8	32.0	22.4	11.6	9.18	38.8	1952
1953	9.68	7.83	7.81	8.28	38.8	128	118	84.3	38.4	25.3	17.1	11.7	38.8	1953
1954	8.82	8.08	8.81	9.17	48.9	130	184	98.2	60.1	28.4	18.1	11.3	50.8	1954
1955	9.70	8.18	8.38	8.18	20.3	128	122	80.3	38.3	20.2	13.9	11.3	37.3	1955
1956	9.71	7.08	7.52	11.1	78.0	149	97.3	84.8	27.2	17.2	11.3	8.26	38.7	1956
1957	8.77	7.52	8.77	8.41	80.5	101	70.2	46.8	28.7	21.4	13.7	11.1	34.8	1957
1958	9.93	8.87	8.80	7.87	88.0	121	85.3	80.3	33.8	22.8	12.8	10.0	40.0	1958
1959	9.68	9.47	8.26	9.08	41.7	143	116	69.5	48.2	27.2	17.0	13.8	42.3	1959
1960	9.03	8.02	8.85	11.4	27.9	102	121	57.0	35.5	22.4	15.4	11.8	38.1	1960
1961	9.12	8.85	8.84	8.72	88.8	177	83.0	67.6	31.2	26.7	14.3	11.4	43.1	1961
1962	8.20	7.75	8.10	13.3	38.3	114	104	86.4	36.5	22.2	16.2	10.2	37.4	1962
1963	8.32	8.47	8.32	11.4	44.8	132	108	67.5	45.9	26.0	16.5	11.5	41.0	1963
1964	10.5	8.80	7.92	8.98	26.5	155	129	59.1	37.5	34.7	18.3	13.4	42.4	1964
1965	12.0	12.2	8.88	10.9	34.3	164	134	83.4	38.1	30.8	20.3	12.3	46.2	1965
1966	10.5	9.14	9.38	11.2	78.1	142	141	73.0	41.8	26.8	16.5	11.6	47.8	1966
1967	9.87	8.75	8.78	8.82	34.2	208	138	74.1	46.0	24.3	13.7	9.38	48.8	1967
1968	8.89	8.24	8.71	8.30	34.5	127	110	58.8	37.9	23.7	14.4	10.4	37.8	1968
1969	9.16	8.20	7.85	13.0	88.7	134	91.7	59.1	34.9	22.7	14.2	9.42	38.8	1969
1970	8.05	8.73	7.63	7.22	27.0	110	74.5	49.1	24.9	18.3	9.27	9.77	28.4	1970
1971	7.45	7.80	8.41	8.30	80.0	137	81.7	70.8	33.8	20.0	14.2	8.87	38.0	1971
1972	8.45	7.87	8.87	8.34	51.0	210	127	81.4	38.2	24.4	15.7	11.2	48.8	1972
1973	8.48	8.48	8.02	9.03	47.0	118	89.4	68.0	31.2	21.3	14.3	11.8	38.8	1973
1974	9.38	9.74	7.11	10.5	28.8	188	132	67.9	36.3	20.8	13.0	10.4	42.8	1974
1975	7.91	7.88	7.33	7.58	22.2	83.8	102	58.8	35.1	21.5	15.8	12.0	32.0	1975
1976	9.54	7.76	7.68	10.8	86.8	87.1	143	87.7	71.7	29.3	14.8	11.1	47.5	1976
1977	8.75	7.88	7.82	11.0	41.5	105	85.8	67.5	38.8	18.8	12.4	9.80	33.1	1977
1978	8.17	7.86	8.11	9.15	34.2	126	113	58.2	45.8	27.2	16.4	12.8	38.1	1978
1979	9.98	8.87	8.88	7.37	33.1	105	87.8	52.1	31.6	18.8	10.4	9.88	31.8	1979
1980	7.81	7.45	8.00	14.8	103	120	71.8	44.8	34.5	27.5	14.0	12.0	38.8	1980
1981	10.7	8.80	8.80	10.4	75.5	88.0	144	90.1	41.8	22.8	14.6	10.4	44.8	1981
1982	8.98	10.8	8.83	8.04	28.8	136	104	83.1	48.3	26.8	14.8	11.8	38.3	1982
1983	10.5	9.05	7.28	9.70	40.4	98.9	84.6	83.8	32.0	18.5	15.0	7.82	34.1	1983
1984	8.80	8.84	8.75	9.04	18.8	108	92.8	66.0	42.8	22.7	13.8	9.80	33.8	1984
MEAN	8.92	8.11	7.81	10.4	51.8	127	109	67.5	38.8	23.8	14.4	10.4	39.8	MEAN

LOCATION - LAT 51 10 30 N DRAINAGE AREA, 2 210 km²
LONG 115 34 10 W NATURAL FLOW

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	314 ON JUL 7	---	---	1909
1910	---	230 ON JUN 12	---	---	1910
1911	---	264 ON JUN 14	5.75 ON FEB 27	1 400 000	1911
1912	---	174 ON AUG 25	5.40 ON MAR 14	1 270 000	1912
1913	---	232 ON JUN 11	6.12B ON MAR 18	1 410 000	1913
1914	---	214 ON JUN 18	7.15 ON NOV 17	1 440 000	1914
1915	---	236 ON JUN 27	8.94 ON JAN 27	1 320 000	1915
1916	---	308 ON JUN 20	6.87B ON MAR 2	1 410 000	1916
1917	---	176 ON JUN 17	8.06B ON FEB 23	1 220 000	1917
1918	---	345 ON JUN 15	8.03B ON FEB 20	1 300 000	1918
1919	---	185 ON JUN 22	4.55B ON FEB 28	1 130 000	1919
1920	---	248 ON JUL 3	6.88B ON APR 3	1 310 000	1920
1921	---	171 ON JUN 9	8.37B ON MAR 11	1 190 000	1921
1922	---	208 ON JUN 5	8.57B ON MAR 27	1 270 000	1922
1923	388 AT 12:00 MST ON JUN 14 *	377 ON JUN 14 *	8.43E ON DEC 20	1 320 000	1923
1924	174 AT 08:00 MST ON JUL 5	167 ON JUL 5	8.28 ON APR 20	1 170 000	1924
1925	---	212 ON MAY 23	5.44B ON DEC 31	1 470 000	1925
1926	---	130 ON JUL 7	5.52B ON APR 5	1 080 000	1926
1927	226 AT 08:55 MST ON JUN 27	221 ON JUN 27	8.48B ON FEB 17	1 480 000	1927
1928	---	288 ON MAY 28	8.09B ON DEC 29	1 620 000	1928
1929	233 AT 23:00 MST ON JUN 2	215 ON JUN 2	4.90B ON APR 8	1 040 000	1929
1930	277 AT 10:50 MST ON JUN 6	263 ON JUN 6	8.00B ON DEC 29	1 400 000	1930
1931	---	167 ON JUN 18	4.70B ON MAR 28	1 130 000	1931
1932	283 AT 08:00 MST ON JUN 3	278 ON JUN 3	3.62B ON JAN 5 *	1 440 000	1932
1933	326 AT 20:40 MST ON JUN 17	311 ON JUN 17	5.27B ON DEC 28	1 410 000	1933
1934	---	289 ON MAY 31	4.08B ON FEB 28	1 350 000	1934
1935	---	197 ON JUN 18	5.85B ON DEC 19	1 350 000	1935
1936	---	218 ON JUN 1	6.64B ON FEB 18	1 050 000	1936
1937	---	148 ON JUN 17	5.15B ON FEB 14	1 010 000	1937
1938	---	220 ON JUN 23	6.63B ON FEB 15	1 270 000	1938
1939	---	178 ON MAY 29	5.49B ON FEB 10	1 140 000	1939
1940	---	204 ON MAY 26	8.43B ON MAR 12	1 230 000	1940
1941	---	128 ON JUN 25	8.14 ON NOV 23	858 000	1941
1942	---	166 ON JUL 5	8.37B ON FEB 17	1 200 000	1942
1943	---	209 ON JUL 10	5.04B ON FEB 28	1 140 000	1943
1944	---	158 ON JUN 12	5.55B ON MAR 13	1 100 000	1944
1945	---	128 ON JUN 22	8.89 ON APR 11	858 000	1945
1946	221 AT 11:45 MST ON MAY 29	204 ON MAY 29	7.70B ON MAR 14	1 250 000	1946
1947	---	187 ON JUN 11	7.31B ON MAR 4	1 330 000	1947
1948	---	282 ON JUN 9	8.41B ON JAN 27	1 420 000	1948
1949	---	121 ON JUN 7	8.08B ON DEC 11	884 000	1949
1950	---	246 ON JUN 21	5.04 ON MAR 31	1 260 000	1950
1951	---	243 ON JUN 18	4.25B ON MAR 5	1 380 000	1951
1952	---	155 ON JUN 30	8.08 ON APR 1	1 250 000	1952
1953	261 AT 22:00 MST ON JUN 13	250 ON JUN 14	8.00B ON FEB 9	1 250 000	1953
1954	289 AT 13:15 MST ON JUL 5	288 ON JUL 5	8.43B ON MAR 28	1 819 000	1954
1955	251 AT 12:00 MST ON JUN 16	248 ON JUN 24	8.74B ON FEB 11	1 180 000	1955
1956	274 AT 23:00 MST ON JUN 5	257 ON JUN 5	8.09B ON DEC 6	1 250 000	1956
1957	157 AT 13:00 MST ON MAY 20	152 ON MAY 20	5.88B ON MAR 5	1 100 000	1957
1958	198 AT 08:00 MST ON MAY 28	191 ON MAY 28	8.14B ON MAR 1	1 280 000	1958
1959	216 AT 12:00 MST ON JUN 22	212 ON JUN 22	8.68B ON JAN 3	1 330 000	1959
1960	187 AT 08:00 MST ON JUL 1	182 ON JUL 1	7.25B ON FEB 27	1 140 000	1960
1961	271 AT 17:00 MST ON JUN 8	266 ON JUN 7	7.59B ON JAN 19	1 380 000	1961
1962	196 AT 21:00 MST ON JUN 28	184 ON JUN 28	8.44B ON FEB 5	1 180 000	1962
1963	188 AT 03:00 MST ON JUL 9	183 ON JUN 19	8.43B ON FEB 2	1 280 000	1963
1964	---	248 ON JUN 14	7.31B ON MAR 23	1 340 000	1964
1965	297 AT 14:00 MST ON JUN 19	289 ON JUN 19	7.87B ON MAR 18	1 480 000	1965
1966	236 AT 13:00 MST ON JUN 1	225 ON JUN 1	7.83B ON MAR 3	1 510 000	1966
1967	---	275 ON JUN 22	7.53B ON MAR 11	1 540 000	1967
1968	197 AT 15:00 MST ON JUN 27	191 ON JUN 27	7.53 ON APR 22	1 180 000	1968
1969	208 AT 08:40 MST ON JUN 6	203 ON JUN 6	7.50B ON JAN 31	1 250 000	1969
1970	183 AT 08:08 MST ON JUN 5	185 ON JUN 5	5.21B ON NOV 23	825 000	1970
1971	203 AT 08:30 MST ON JUN 7	199 ON JUN 7	5.41B ON MAR 22	1 230 000	1971
1972	320 AT 08:00 MST ON JUN 12	311 ON JUN 12	7.16B ON MAR 1	1 570 000	1972
1973	232 AT 22:00 MST ON JUN 24	215 ON JUN 24	8.71B ON JAN 4	1 150 000	1973
1974	320 AT 08:25 MST ON JUN 25	317 ON JUN 25	8.09B ON MAR 22	1 350 000	1974
1975	148 AT 11:00 MST ON JUL 14	144 ON JUL 14	5.88B ON MAR 8	1 010 000	1975
1976	197 AT 18:00 MST ON JUL 1	191 ON JUL 1	5.95B ON MAR 23	1 500 000	1976
1977	221 AT 08:00 MST ON JUN 8	207 ON JUN 8	5.83B ON NOV 21	1 040 000	1977
1978	197 AT 03:30 MST ON JUN 7	189 ON JUN 8	5.75B ON JAN 30	1 230 000	1978
1979	157 AT 09:30 MST ON JUN 13	150 ON JUN 13	5.40B ON FEB 8	1 000 000	1979
1980	197 AT 10:40 MST ON MAY 22	190 ON MAY 22	4.14B ON MAR 4	1 230 000	1980
1981	233 AT 11:05 MST ON MAY 27	227 ON MAY 27	7.24B ON FEB 10	1 420 000	1981
1982	197 AT 08:00 MST ON JUN 23	192 ON JUN 22	8.15B ON JAN 18	1 240 000	1982
1983	191 AT 08:35 MST ON MAY 31	185 ON MAY 31	5.83 ON DEC 2	1 070 000	1983
1984	221 ON JUN 30	220E ON JUN 30	5.91B ON MAR 14	1 070 000	1984
				1 260 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER AT CALGARY - STATION NO. 05BH004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1887	---	---	---	---	---	---	---	---	---	---	---	---	---	1887
1902	---	---	---	---	---	---	---	---	---	---	---	---	---	1902
1911	---	25.9	24.3	36.6	75.8	324	288	209	126	85.6	45.6	21.9	---	1911
1912	31.4	28.7	28.2	44.5	87.2	232	305	231	137	85.8	58.8	27.8	110	1912
1913	31.7	31.9	33.6	47.1	80.7	327	217	193	134	74.7	55.3	50.8	108	1913
1914	29.9	26.8	29.3	42.5	105	289	273	134	82.9	76.5	50.1	31.5	98.1	1914
1915	34.7	34.0	39.6	45.5	126	298	410	235	117	75.9	49.5	36.0	126	1915
1916	31.6	36.4	44.2	57.5	94.4	418	437	237	182	95.1	68.1	47.6	147	1916
1917	40.7	34.6	25.7	31.2	157	342	288	163	102	76.3	48.5	35.1	113	1917
1918	36.9	24.8	28.4	46.8	85.9	285	196	145	100	71.0	44.0	33.8	92.7	1918
1919	36.7	30.8	24.7	35.7	115	197	154	166	85.3	52.4	36.6	26.8	80.6	1919
1920	23.6	25.3	22.8	37.0	83.7	178	390	164	84.7	61.2	41.3	29.0	95.4	1920
1921	30.9	26.3	26.4	38.6	117	284	210	129	88.4	68.1	38.4	31.6	88.1	1921
1922	29.2	25.1	23.1	34.9	85.6	251	178	143	86.9	68.9	38.2	26.2	81.0	1922
1923	24.7	23.8	18.8	28.3	79.6	472	288	170	105	82.5	42.3	33.0	111	1923
1924	24.6	29.8	30.5	38.2	123	204	221	166	97.9	65.4	39.0	29.4	90.1	1924
1925	35.8	28.3	31.4	52.6	162	271	191	154	105	81.4	58.4	44.1	102	1925
1926	28.6	32.5	34.8	51.3	73.4	121	180	96.1	170	101	59.9	43.2	80.3	1926
1927	37.6	30.4	32.6	57.1	75.3	358	293	201	162	105	63.4	42.3	122	1927
1928	51.3	38.5	67.3	54.6	177	395	325	147	87.8	65.8	38.6	28.5	122	1928
1929	22.8	26.2	32.7	42.7	83.6	335	145	113	89.4	27.4	30.4	25.7	79.5	1929
1930	21.9	19.6	32.6	32.8	89.6	287	226	128	86.8	46.1	34.5	32.8	88.8	1930
1931	31.1	31.6	38.6	43.6	82.2	196	156	110	85.1	43.3	33.2	28.2	71.1	1931
1932	28.1	27.9	28.6	39.0	110	431	183	139	99.6	51.8	37.6	28.2	100	1932
1933	30.4	28.7	32.5	47.5	104	287	236	131	90.9	52.0	44.9	30.5	84.0	1933
1934	32.3	33.0	31.0	58.1	195	220	136	101	89.5	65.2	37.2	31.2	83.8	1934
1935	23.9	30.3	30.0	41.4	87.4	245	243	141	75.3	47.9	34.5	35.0	84.8	1935
1936	33.4	37.9	22.3	30.7	108	188	125	85.0	89.0	35.4	30.6	33.2	87.2	1936
1937	30.7	23.3	33.3	29.8	45.7	188	159	111	70.9	51.0	47.1	28.2	88.5	1937
1938	28.6	26.8	26.1	31.1	118	313	226	89.2	81.2	50.3	35.5	25.4	88.5	1938
1939	26.1	31.3	28.9	34.6	84.9	178	187	114	77.0	51.6	42.8	36.0	74.6	1939
1940	27.8	28.8	28.1	32.8	119	189	134	95.3	84.8	52.7	33.8	31.1	70.7	1940
1941	27.1	25.1	43.0	41.8	63.6	138	107	85.6	88.8	48.6	33.9	29.1	58.4	1941
1942	20.6	30.1	29.3	40.2	88.4	204	212	137	80.9	63.3	43.8	53.4	85.6	1942
1943	46.9	40.3	46.3	61.8	78.0	148	248	114	84.7	52.1	49.0	44.4	84.5	1943
1944	42.5	36.0	43.4	63.4	53.3	188	104	111	74.4	49.9	49.1	43.8	89.9	1944
1945	44.4	35.2	35.4	48.9	84.8	213	172	99.5	70.0	56.8	48.1	48.4	77.8	1945
1946	47.4	44.2	39.3	58.0	126	230	156	106	87.9	62.1	49.6	51.8	89.2	1946
1947	46.6	43.9	45.8	63.1	153	280	188	104	87.9	61.3	58.3	52.9	101	1947
1948	49.3	51.4	47.0	64.4	207	330	173	153	82.5	66.2	47.5	45.5	108	1948
1949	49.8	40.0	40.8	53.3	87.2	133	99.3	88.4	58.5	62.1	33.6	35.1	84.4	1949
1950	33.1	25.5	29.7	30.4	48.2	209	171	102	74.6	---	---	---	---	1950
1952	---	---	---	---	131	232	206	146	89.2	70.3	---	---	---	1952
1953	---	---	---	---	---	286	243	117	82.4	73.2	70.5	65.0	---	1953
1954	62.6	62.3	62.5	67.7	107	238	278	194	156	91.9	76.6	71.6	122	1954
1955	63.2	67.3	66.7	64.6	114	186	181	102	74.3	58.5	62.6	60.5	91.9	1955
1956	69.6	69.2	65.2	63.5	106	220	164	107	80.6	70.3	62.2	60.6	95.6	1956
1957	67.8	64.5	60.5	65.3	140	159	113	83.8	87.4	65.2	62.6	56.6	80.7	1957
1958	63.0	79.0	69.7	69.6	127	182	163	101	89.9	69.6	63.6	59.1	84.6	1958
1959	67.6	63.9	65.7	66.1	77.3	202	183	100	80.6	61.5	57.0	72.6	86.4	1959
1960	66.1	61.1	61.9	71.9	90.1	145	182	108	68.7	59.5	57.5	57.6	85.9	1960
1961	51.2	56.7	61.7	69.0	121	256	129	131	78.4	74.7	69.7	60.5	87.7	1961
1962	76.0	76.2	61.9	61.5	87.5	188	157	118	86.1	54.8	51.5	34.1	91.2	1962
1963	43.6	61.2	52.6	49.3	70.2	204	197	125	105	83.5	60.6	58.2	93.6	1963
1964	54.6	56.3	67.4	72.6	94.6	219	198	100	77.8	76.4	61.1	69.1	95.5	1964
1965	62.1	49.9	47.1	69.3	66.6	245	265	161	105	104	61.7	70.6	113	1965
1966	76.3	66.4	73.6	64.5	110	231	221	127	96.3	69.2	66.6	65.2	108	1966
1967	69.6	63.1	65.4	107	86.0	311	207	136	96.3	70.9	63.3	63.6	112	1967
1968	72.6	69.2	64.6	63.9	84.6	190	156	103	99.9	65.9	59.7	64.5	85.5	1968
1969	64.6	56.9	49.0	63.1	146	263	229	120	86.0	67.5	51.7	50.5	104	1969
1970	50.6	53.3	46.2	56.3	76.4	168	139	97.1	71.9	62.1	57.6	60.1	80.0	1970
1971	47.6	33.5	42.6	47.6	106	214	141	136	81.2	66.5	50.3	45.6	84.9	1971
1972	56.6	46.4	53.5	50.0	102	306	233	156	103	74.1	53.5	56.6	108	1972
1973	51.9	62.2	60.4	62.7	112	209	180	105	71.4	66.5	55.6	64.3	88.4	1973
1974	56.4	56.4	60.6	73.5	111	279	207	157	100	69.0	67.6	66.7	105	1974
1975	64.0	66.7	66.5	60.6	83.2	162	151	95.5	70.3	62.6	60.1	67.1	78.6	1975
1976	59.1	60.6	67.6	65.6	134	182	161	173	136	67.9	66.6	67.1	89.4	1976
1977	63.2	61.5	66.2	64.6	85.4	127	89.1	89.6	66.5	66.6	66.7	66.9	86.6	1977
1978	66.3	66.3	66.5	60.7	85.6	172	155	96.2	86.0	67.6	60.2	66.1	84.7	1978
1979	60.3	69.7	70.0	69.6	86.2	120	103	83.6	66.7	60.4	31.0	33.2	66.7	1979
1980	61.7	62.6	62.9	66.6	133	216	107	87.0	67.4	64.6	67.6	66.1	61.6	1980
1981	65.6	60.1	60.2	66.9	170	233	266	201	99.6	66.7	66.0	64.2	114	1981
1982	66.4	60.6R	61.2	60.7	71.6	183	169	94.4	74.2	69.2	64.9	69.2	60.6R	1982
1983	63.4	62.4	69.4	64.4	76.7	136	132	106	73.6	62.6	69.6	60.1	73.6	1983
1984	61.6	69.6	60.2	67.3	67.0	126	122	82.3	77.6	66.7	64.6	61.2	67.3	1984
MEAN	46.1	43.6R	43.6	54.4	101	234	197	131	90.9	63.3	49.6	44.7	91.6	MEAN

LOCATION - LAT 51 03 00 N DRAINAGE AREA, 7 860 km²
LONG 114 03 00 W REGULATED SINCE 1913

R - REVISED SINCE JAN 1980

REMARKS - UNPUBLISHED WATER LEVELS ARE AVAILABLE FROM REGIONAL OFFICE

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1897	2 270 ON JUN 18 *	---	---	---	1897
1902	1 580 ON JUL 4	---	---	---	1902
1911	---	487 ON JUN 26	17.0 B ON JAN 3	---	1911
1912	---	430 ON JUL 10	18.4 ON DEC 13	3 470 000	1912
1913	---	418 ON JUN 12	24.6 B ON MAR 20	3 390 000	1913
1914	---	405 ON JUN 18	22.7 B ON JAN 26	3 090 000	1914
1915	1 130 ON JUN 26	786 ON JUN 26	27.0 B ON DEC 28	3 880 000	1915
1916	810 ON JUN 21	787 ON JUN 21	20.7 B ON JAN 17	4 840 000	1916
1917	---	436 ON JUN 3	24.1 B ON MAR 17	3 670 000	1917
1918	---	533 ON JUN 18	21.6 B ON FEB 18	2 920 000	1918
1919	459 AT 04:30 MST ON AUG 5	411 ON AUG 5	15.9 B ON FEB 25	2 540 000	1919
1920	815 AT 12:00 MST ON JUL 13	810 ON JUL 13	10.2 B ON MAR 5	3 020 000	1920
1921	---	337 ON JUN 8	11.2 B ON NOV 22	2 720 000	1921
1922	377 AT 05:00 MST ON JUN 6	365 ON JUN 6	12.0 B ON DEC 11	2 850 000	1922
1923	641 AT 04:00 MST ON JUL 3	714 ON JUN 14	10.8 B ON MAR 12	3 480 000	1923
1924	335 AT 18:00 MST ON JUL 5	377 ON JUL 5	14.4 B ON DEC 17	2 850 000	1924
1925	384 AT 20:00 MST ON JUN 23	385 ON JUN 2[illegible]	18.0 B ON MAR 9	3 210 000	1925
1926	277 AT 03:00 MST ON SEP 11	269 ON SEP 11	12.6 B ON JAN 5	2 530 000	1926
1927	564 AT 11:00 MST ON JUN 11	547 ON JUN 11	14.7 B ON FEB 20	3 850 000	1927
1928	575 ON JUL 1	556 ON JUL 1	10.8 B ON DEC 6	3 480 000	1928
1929	1 320 AT 10:40 MST ON JUN 3	1 180 ON JUN 3	8.658 ON NOV 28	2 510 000	1929
1930	426 AT 04:00 MST ON JUN 9	389 ON JUN 10	3.488 ON FEB 24 *	2 740 000	1930
1931	338 AT 05:00 MST ON JUN 20	308 ON JUN 20	8.838 ON DEC 7	2 240 000	1931
1932	1 520 AT 02:00 MST ON JUN 3	1 180 ON JUN 3 *	7.678 ON FEB 22	3 170 000	1932
1933	---	812E ON JUN 18	14.3 B ON FEB 13	2 880 000	1933
1934	813 AT 18:30 MST ON JUN 1	447 ON JUN 1	10.8 B ON DEC 31	2 840 000	1934
1935	384 AT 18:30 MST ON JUN 18	374 ON JUN 17	4.258 ON JAN 27	2 670 000	1935
1936	428 AT 21:00 MST ON JUN 2	408 ON JUN 3	4.258 ON MAR 9	2 130 000	1936
1937	297 AT 18:15 MST ON JUN 18	287 ON JUN 18	4.088 ON DEC 6	2 100 000	1937
1938	488 AT 16:00 MST ON JUN 23	413 ON JUN 23	5.788 ON DEC 26	2 790 000	1938
1939	320 AT 05:00 MST ON JUL 3	309 ON JUL 2	5.868 ON MAR 13	2 350 000	1939
1940	323 AT 17:20 MST ON MAY 25	271 ON MAY 25	7.878 ON JAN 15	2 240 000	1940
1941	197 AT 17:30 MST ON JUN 16	178 ON JUN 16	8.348 ON FEB 2	1 840 000	1941
1942	385 AT 16:00 MST ON JUN 9	363 ON JUN 9	8.788 ON JAN 15	2 700 000	1942
1943	386 AT 16:00 MST ON JUL 16	323 ON JUL 5	8.238 ON DEC 26	2 880 000	1943
1944	251 ON JUN 13	214 ON JUN 14	7.70 ON MAY 6	2 210 000	1944
1945	377 AT 17:00 MST ON MAY 31	308 ON JUN 23	18.0 B ON FEB 4	2 480 000	1945
1946	402 AT 18:45 MST ON MAY 29	364 ON MAY 30	28.0 B ON JAN 1	2 810 000	1946
1947	426 AT 17:00 MST ON JUN 12	376 ON JUN 10	28.3 ON MAR 9	3 180 000	1947
1948	586 AT 15:00 MST ON MAY 24	558 ON MAY 25	18.3 ON MAR 26	3 480 000	1948
1949	328 AT 19:00 MST ON JUN 8	300 ON JUN 8	10.9 ON NOV 19	2 030 000	1949
1950	490 ON JUN 23	419 ON JUN 23	8.82 ON MAY 7	---	1950
1952	487 AT 19:00 MST ON JUN 23	408 ON JUN 24	---	---	1952
1953	576 AT 11:59 MST ON JUN 13	513 ON JUN 14	---	---	1953
1954	428 AT 23:30 MST ON JUL 8	388 ON AUG 28	31.6 ON NOV 18	3 850 000	1954
1955	418 AT 23:00 MST ON JUN 24	386 ON JUN 25	28.6 ON OCT 23	3 900 000	1955
1956	377 AT 20:00 MST ON JUN 8	308 ON JUN 7	28.3 ON NOV 3	3 020 000	1956
1957	320 AT 18:00 MST ON JUN 8	270 ON JUN 8	32.6 ON APR 19	2 580 000	1957
1958	281 AT 18:00 MST ON MAY 29	250 ON JUN 13	19.3 ON NOV 18	2 950 000	1958
1959	328 AT 23:00 MST ON JUN 27	308 ON JUN 26	38.0 ON NOV 3	2 790 000	1959
1960	308 AT 08:00 MST ON JUL 2	288 ON JUL 3	35.1 ON NOV 28	2 720 000	1960
1961	388 AT 02:30 MST ON JUN 7	281 ON JUN 7	37.7 ON JAN 22	3 060 000	1961
1962	264 AT 11:00 MST ON JUN 28	248 ON JUN 28	28.8 ON DEC 3	2 870 000	1962
1963	480 ON JUN 30	317 ON JUN 30	30.8 ON MAR 24	3 850 000	1963
1964	377 AT 13:00 MST ON JUN 18	361 ON JUN 18	32.0 B ON NOV 18	3 020 000	1964
1965	473 AT 16:00 MST ON JUN 19	458 ON JUN 20	38.2 B ON MAR 8	3 580 000	1965
1966	384 AT 08:00 MST ON JUN 4	345 ON JUN 4	42.8 B ON DEC 28	3 400 000	1966
1967	428 AT 17:30 MST ON MAY 31	382 ON JUN 24	31.7 B ON DEC 3	3 530 000	1967
1968	288 AT 17:40 MST ON JUN 29	256 ON JUN 13	28.8 B ON NOV 21	2 710 000	1968
1969	481 AT 23:24 MST ON JUN 29	389 ON JUN 30	28.8 B ON MAR 30	3 290 000	1969
1970	334 AT 20:14 MST ON JUN 17	331 ON JUN 17	39.7 B ON MAR 28	2 520 000	1970
1971	388 AT 02:00 MST ON JUN 9	382 ON JUN 7	39.7 B ON APR 5	3 880 000	1971
1972	428 AT 02:50 MST ON JUL 3	402 ON JUL 3	34.0 ON APR 22	3 420 000	1972
1973	364 AT 11:30 MST ON JUN 28	334 ON JUN 28	40.2 B ON JAN 15	3 820 000	1973
1974	484 AT 17:50 MST ON JUN 28	478 ON JUN 28	42.2 B ON NOV 28	3 310 000	1974
1975	242 AT 03:30 MST ON JUL 10	234 ON JUL 18	38.2 ON OCT 28	2 420 000	1975
1976	263 AT 04:35 MST ON AUG 7	249 ON AUG 7	42.6 B ON JAN 6	3 140 000	1976
1977	---	208 ON JUN 10	38.2 ON MAY 10	2 100 000	1977
1978	282 AT 18:10 MST ON JUL 19	238 ON JUN 12	43.0 B ON APR 17	2 870 000	1978
1979	180 AT 00:55 MST ON MAY 30	141 ON MAY 30	38.8 B ON DEC 12	3 170 000	1979
1980	370 AT 00:30 MST ON JUN 19	302 ON JUN 19	34.8 B ON MAR 4	2 580 000	1980
1981	427 AT 00:50 MST ON MAY 28	425 ON MAY 28	38.8 B ON DEC 25	3 580 000	1981
1982	305 AT 03:30 MST ON JUN 30	278 ON JUN 24	38.7 B ON APR 5	2 540 000R	1982
1983	335 AT 02:50 MST ON JUL 16	202 ON JUL 4	34.0 B ON DEC 27	3 330 000	1983
1984	334 AT 11:24 MST ON JUL 2	217 ON JUL 2	34.0 B ON DEC 30	3 130 000	1984
				3 880 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

BOW RIVER AT CANMORE - STATION NO. 05BE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	43.8	108	127	88.1	48.8	33.3	---	---	---	1975
1976	---	38.5	40.8	44.4	86.3	139	158	126	80.8	47.8	41.7	33.1	---	1976
1977	42.8	44.3	---	---	86.8	110	79.5	77.7	57.8	---	---	---	---	1977
1978	---	---	---	---	45.0	141	124	73.0	63.3	43.3	---	41.7	---	1978
1979	---	---	---	29.3	41.4	108	87.3	70.9	43.9	27.0	14.8	19.0	---	1979
1980	18.8R	18.2R	18.6	23.9	114	148	87.3	88.9	48.1	37.8	28.5	44.4	54.8R	1980
1981	39.7	41.2	43.1	41.4	129	151	202	159	---	---	---	---	---	1981
1982	---	---	---	---	32.7	148	127	78.5	58.6	38.6	39.5	43.2	---	1982
1983	42.1	34.1	27.9	25.1	47.5	109	103	82.7	65.4	31.5	31.8	36.1	51.4	1983
1984	36.2	33.6	26.3	24.7	27.7	118	104	80.3	62.4	38.7	31.7	34.4	51.5	1984
MEAN	36.7R	34.5R	31.1	31.5	82.6	126	121	88.5	57.2	37.4	31.4	35.8	52.5	MEAN

LOCATION - LAT 51 05 05 N DRAINAGE AREA, 3 840 km²
LONG 115 21 51 W REGULATED

R - REVISED SINCE JAN 1980

BOW RIVER AT CANMORE - STATION NO. 05BE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	180 ON JUL 14	---	---	1975
1976	248 AT 21:30 MST ON JUL 1	223 ON JUL 1	---	---	1976
1977	243 AT 10:00 MST ON JUN 8	234 ON JUN 8 *	---	---	1977
1978	217 AT 10:30 MST ON JUN 7	184 ON JUN 7	---	---	1978
1979	151 AT 10:00 MST ON JUN 6	139 ON JUN 13	---	---	1979
1980	213 AT 22:45 MST ON JUN 18	201 ON JUN 18	11.9B ON FEB 28 *	1 720 000R	1980
1981	287 AT 09:00 MST ON MAY 25 *	---	---	---	1981
1982	241 AT 08:45 MST ON JUN 23	221 ON JUN 23	---	---	1982
1983	178 AT 11:05 MST ON JUN 1	185 ON MAY 31	18.5 ON APR 21	1 820 000	1983
1984	---	234E ON JUN 30	17.0 ON MAY 5	1 830 000	1984
				1 880 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

BOW RIVER AT CUSHING BRIDGE NEAR CALGARY - STATION NO. 05BH002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	387	300	154	102	---	---	---	---	1908
1909	---	---	---	---	115	409	343	158	98.3	87.3	---	---	---	1909
1910	---	---	---	---	189	295	226	150	97.5	87.5	---	38.1	---	1910
MEAN	---	---	---	---	152	364	289	154	98.3	77.5	---	38.1	---	MEAN

LOCATION - LAT 51 02 00 N DRAINAGE AREA, 10 100 km²
LONG 114 01 00 W REGULATED

BOW RIVER AT CUSHING BRIDGE NEAR CALGARY - STATION NO. 05BH002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	535 ON JUN 8	---	---	1908
1909	---	523 ON JUL 7 *	---	---	1909
1910	---	388 ON JUN 13	---	---	1910
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	28.1	8.04	---	---	---	---	1910
1911	2.75	1.84	1.65	2.81	8.99	39.7	37.1	35.4	13.7	3.04	---	---	---	1911
1912	---	1.78	1.16	1.56	9.20	28.7	28.4	32.5	9.95	4.10	2.70	2.14	---	1912
1913	1.24	1.16	1.23	2.29	11.0	38.7	30.9	26.5	15.8	8.83	2.85	2.18	11.8	1913
1914	1.76	1.47	1.55	1.87	10.6	28.7	38.8	25.7	11.5	5.80	2.80	1.71	11.0	1914
1915	1.42	1.29	1.27	4.08	10.5	22.6	31.4	34.8	13.7	4.58	3.00	2.83	11.0	1915
1916	1.80	1.60	1.87	1.74	8.18	38.7	43.7	23.6	14.0	6.23	3.12	2.01	12.1	1916
1917	1.85	1.50	1.28	1.19	10.8	20.3	35.0	25.2	12.3	8.72	3.38	2.72	10.4	1917
1918	2.01	1.62	1.61	1.80	11.3	46.1	33.7	25.3	17.2	7.96	2.70	2.41	12.8	1918
1919	1.58	1.38	1.58	2.15	14.7	24.5	32.2	34.9	13.8	4.38	2.37	1.73	11.5	1919
1920	1.84	1.42	1.16	1.57	8.28	19.2	48.2	29.3	11.6	---	---	---	---	1920
1984	---	---	---	---	8.57	19.1	19.8	14.5	8.88	7.03	4.28	3.01	---	1984
1985	2.57	2.42	1.82	2.84	9.35	30.6	33.9	27.6	7.44	5.18	3.25	2.28	10.8	1985
1986	2.10	1.84	1.63	1.80	15.5	27.4	31.6	21.6	13.0	5.33	4.03	3.22	10.8	1986
1987	2.17	1.80	1.74	1.87	7.82	60.0	39.9	28.8	18.0	5.58	3.28	2.22	13.5	1987
1988	2.40	1.84	1.62	1.32	8.83	30.2	33.0	21.5	11.7	5.22	3.40	2.30	10.3	1988
1989	1.44	1.46	1.38	3.43	17.3	37.8	25.7	21.5	9.71	5.04	3.55	2.19	10.9	1989
1970	1.52	1.17	1.08	1.26	7.07	31.0	26.8	22.5	7.18	3.15	1.89	1.45	8.05	1970
1971	1.40	1.25	1.05	1.56	11.9	28.5	24.5	28.1	9.56	4.12	2.54	1.81	9.75	1971
1972	1.68	1.35	1.48	1.30	---	---	---	---	---	5.03	3.34	2.44	---	1972
1973	2.33	1.61	1.11	1.49	11.2	23.4	25.9	19.4	8.89	4.89	3.20	2.17	8.85	1973
1974	1.35	1.71	1.36	1.83	8.87	38.8	33.0	22.5	10.8	4.15	2.61	1.83	10.4	1974
1975	1.48	1.28	1.28	1.36	5.89	---	---	17.5	8.74	4.56	3.89	2.15	---	1975
1976	1.88	1.78	1.40	1.78	15.8	19.4	38.1	29.4	20.4	8.27	2.68	2.23	11.7	1976
1977	1.64	1.34	1.58	2.15	9.22	23.8	19.7	23.0	8.83	3.89	2.68	2.25	8.37	1977
1978	1.63	1.10	1.37	1.99	8.21	28.5	33.4	19.0	13.5	5.58	2.88	2.32	10.0	1978
1979	1.43	1.55	1.34	1.48	8.21	25.7	26.7	23.1	11.6	4.98	1.88	2.03	8.38	1979
1980	1.71	1.34	1.29	3.03	24.7	28.9	24.2	13.9	8.22	5.69	3.88	2.82	9.83	1980
1981	2.12	1.38	1.31	2.06	19.1	20.7	36.3	30.0	12.7	3.82	2.58	2.00	11.3	1981
1982	1.71	1.72	1.38	1.33	7.27	34.5	32.2	22.1	17.0	5.80	3.30	2.53	10.9	1982
1983	1.67	1.52	1.33	1.67	10.1	25.0	28.5	25.0	8.71	3.70	3.54	1.78	9.47	1983
1984	1.78	1.38	1.26	1.97	4.80	25.3	26.3	25.5	11.1	4.74	3.04	2.13	9.32	1984
MEAN	1.78	1.51	1.40	1.95	10.5	29.9	31.8	24.8	11.9	5.10	3.03	2.23	10.6	MEAN

LOCATION - LAT 51 25 42 N DRAINAGE AREA, 421 km²
LONG 116 11 15 W NATURAL FLOW

BOW RIVER AT LAKE LOUISE - STATION NO. 05BA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	---	---	---	1910
1911	---	58.3 ON JUN 24	---	---	1911
1912	---	53.5 ON AUG 25	---	---	1912
1913	---	54.9 ON JUN 11	1.10 B ON FEB 7	373 000	1913
1914	---	54.9 ON JUL 15	1.13 B ON FEB 19	347 000	1914
1915	---	84.7 ON JUN 25	1.13 B ON JAN 25	347 000	1915
1916	---	108 ON JUN 19	1.38 B ON FEB 27	382 000	1916
1917	---	45.3 ON JUL 17	0.9348 ON MAR 20	328 000	1917
1918	---	123 ON JUN 14 *	1.27 B ON JAN 30	406 000	1918
1919	---	47.9 ON JUN 22	0.7858 ON MAR 2	363 000	1919
1920	---	58.3 ON JUL 22	---	---	1920
1984	---	25.9 ON JUL 9	---	---	1984
1985	47.0 AT 24:00 MST ON JUL 8	46.4 ON JUL 8	1.21 B ON MAR 13	382 000	1985
1986	40.2 AT 08:00 MST ON JUN 1	39.6 ON JUN 1	0.888 ON OCT 4	341 000	1986
1987	---	62.9 ON JUN 22	1.60 B ON APR 13	428 000	1987
1988	51.0 AT 14:00 MST ON JUL 12	50.1 ON JUL 12	1.22 B ON APR 25	323 000	1988
1989	52.1 AT 05:03 MST ON JUN 7	50.4 ON JUN 7	1.18 B ON MAR 2	345 000	1989
1970	39.1 AT 03:35 MST ON JUN 7	37.7 ON JUN 5	0.9348 ON MAR 2	285 000	1970
1971	42.2 AT 17:30 MST ON JUN 8	41.1 ON JUN 8	0.9348 ON FEB 19	307 000	1971
1972	---	---	1.22 B ON FEB 7	---	1972
1973	46.6 AT 20:50 MST ON JUN 24	43.3 ON JUN 24	0.8808 ON MAR 30 *	279 000	1973
1974	71.4 AT 03:10 MST ON JUN 25 *	68.9 ON JUN 24	1.13 B ON JAN 15	329 000	1974
1975	44.8 ON JUL 14	---	0.8218 ON APR 5	---	1975
1976	45.0 AT 09:00 MST ON SEP 6	43.8 ON JUL 9	1.16 B ON MAR 22	371 000	1976
1977	---	41.9E ON JUN 9	1.32 B ON FEB 8	284 000	1977
1978	48.2 AT 02:00 MST ON JUL 11	44.5 ON JUL 11	0.8018 ON FEB 14	316 000	1978
1979	38.4 AT 23:50 MST ON JUL 21	37.1 ON JUL 22	1.18 ON APR 23	298 000	1979
1980	58.8 AT 00:05 MST ON MAY 22	48.8 ON MAY 21	1.11 B ON MAR 27	314 000	1980
1981	56.5 AT 18:50 MST ON MAY 28	55.7 ON MAY 28	1.18 B ON MAR 22	355 000	1981
1982	51.8 AT 05:20 MST ON JUL 22	49.3 ON JUL 22	1.20 B ON MAR 24	345 000	1982
1983	52.5 AT 10:10 MST ON JUL 14	50.8 ON JUL 14	1.08 B ON APR 4	299 000	1983
1984	67.7 AT 23:45 MST ON JUN 29	60.8 ON JUN 30	1.08 ON APR 13	285 000	1984
				336 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	329	280	174	123	108	---	---	---	1910
1911	---	---	---	---	116	415	307	271	180	92.9	---	---	229	1911
1912	---	---	---	---	---	---	---	239	142	---	---	---	---	1913
1914	---	---	---	---	---	339	246	132	77.9	68.9	83.1	29.1	---	1914
1915	26.7	---	---	---	273	623	772	352	187	---	92.6	36.4	---	1915
1916	28.3	33.0	85.2	83.2	182	631	653	344	292	140	78.4	51.3	402	1916
1917	46.8	51.1	58.5	55.6	246	566	349	182	116	68.0	64.1	---	267	1917
1918	---	---	---	56.5	103	319	162	137	78.2	59.4	46.6	36.9	145	1918
1919	45.6	36.2	33.6	61.9	162	186	108	176	76.6	61.4	39.0	34.4	126	1919
1920	32.1	30.1	43.9	62.6	197	246	466	149	85.2	63.9	41.5	30.0	187	1920
1921	37.8	33.6	---	78.6	186	272	159	103	26.6	42.3	36.7	34.9	128	1921
1922	32.0	27.2	32.4	66.3	136	249	139	104	64.6	53.4	41.1	25.3	126	1922
1923	31.2	27.6	26.6	48.4	80.6	551	303	188	84.6	62.6	60.9	34.6	205	1923
1924	32.6	40.2	36.2	62.4	136	236	202	210	80.7	64.3	51.2	32.9	156	1924
1925	43.3	38.0	66.6	131	193	322	178	147	105	122	76.6	64.1	178	1925
1926	38.4	46.3	65.9	82.3	88.0	132	143	76.4	273	184	60.6	63.7	142	1926
1927	43.1	44.8	60.4	82.4	147	467	341	213	233	166	64.7	53.3	267	1927
1928	68.4	52.0	119	102	188	518	426	176	90.0	78.7	49.6	34.3	247	1928
1929	32.7	34.0	46.9	72.6	138	490	85.9	70.6	36.6	18.6	42.3	30.3	138	1929
1930	28.8	46.9	59.6	66.7	101	301	195	79.6	35.7	52.2	44.9	40.9	127	1930
1931	30.9	29.0	46.2	47.1	19.3	150	109	46.6	45.2	50.7	34.7	---	58.6	1931
1932	---	---	---	---	178	618	170	101	92.7	76.4	46.6	36.3	304	1932
1933	33.6	33.2	40.6	101	186	295	---	---	---	---	---	---	---	1933
1934	---	---	---	---	---	259	136	26.2	11.0	56.3	---	---	---	1934
1935	---	---	---	---	78.6	306	347	153	138	141	---	---	193	1935
1936	---	---	---	---	146	260	214	90.9	61.6	58.6	---	---	141	1936
1937	---	---	---	---	188	561	186	81.6	66.6	38.6	---	---	182	1937
1938	---	---	---	---	47.7	185	104	67.2	67.9	66.6	---	---	101	1938
1939	---	---	---	---	180	302	343	82.6	61.2	62.6	---	---	170	1939
1940	---	---	---	---	119	248	115	44.3	19.2	56.6	---	---	101	1940
1941	---	---	---	---	148	363	73.6	61.2	21.7	26.6	---	---	86.6	1941
1942	---	---	---	---	149	376	226	136	66.1	64.6	---	---	177	1942
1943	---	---	---	---	131	329	114	36.4	27.4	40.6	---	---	86.0	1943
1944	---	---	---	---	207	342	186	96.6	60.9	47.6	---	---	152	1944
1945	---	---	---	---	134	212	120	36.4	36.6	46.6	---	---	86.2	1945
1946	---	---	---	---	133	67.7	122	172	76.6	36.7	---	---	106	1946
1947	---	---	---	---	20.4	40.3	16.6	40.1	22.0	31.3	---	---	28.2	1947
1948	---	---	---	---	127	258	124	64.6	66.6	60.3	---	---	125	1948
1949	---	---	---	---	120	66.1	23.6	16.1	11.6	14.2	---	---	46.0	1949
1950	---	---	---	---	124	246	26.2	30.1	20.3	66.6	---	---	66.7	1950
1951	---	---	---	---	266	273	236	184	46.7	11.0	---	---	166	1951
1952	---	---	---	---	61.7	186	117	16.6	17.6	36.1	---	---	66.2	1952
1953	---	---	---	---	62.7	91.6	66.1	20.0	6.96	7.06	---	---	42.6	1953
1954	---	---	---	60.7	6.71	76.6	30.6	10.9	10.4	6.30	---	---	24.1	1954
MEAN	37.6	37.6	63.1	76.1	137	316	207	119	80.7	66.7	53.6	36.6	147	MEAN

LOCATION - LAT 50 45 00 N LONG 112 32 20 W

DRAINAGE AREA, 20 300 km²
REGULATED

BOW RIVER BELOW BASSANO DAM - STATION NO. 05BM004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	425 ON JUN 14	---	---	1910
1911	---	646 ON AUG 9	54.4 ON MAY 3	3 650 000	1911
1913	---	---	---	---	1913
1914	---	405 ON JUN 18	---	---	1914
1915	---	1 555 ON JUN 27	60.0 ON MAY 1	---	1915
1916	---	1 420 ON JUN 29	63.3 E ON MAY 1	6 380 000	1916
1917	---	994 ON JUN 7	46.2 ON OCT 30	4 090 000	1917
1918	---	617 ON JUN 17	35.4 ON SEP 18	2 300 000	1918
1919	---	599 ON AUG 6	19.2 ON OCT 26	1 890 000	1919
1920	---	5556 ON JUL 13	33.1 ON OCT 27	3 120 000	1920
1921	422 ON JUN 9	416 ON JUN 9	12.3 ON SEP 26	2 040 000	1921
1922	438 AT 09:00 MST ON JUN 8	435 ON JUN 7	24.6 ON SEP 29	1 880 000	1922
1923	2 160 ON JUN 2	2 100 ON JUN 2	0.9056E ON MAY 5 *	4 210 000	1923
1924	438 AT 04:00 MST ON JUN 30	411 ON JUN 30	29.7 ON MAY 9	2 480 000	1924
1925	536 AT 18:00 MST ON JUN 12	507 ON MAY 24	51.5 ON MAY 6	2 830 000	1925
1926	521 AT 05:00 MST ON SEP 12	510 ON SEP 12	2.83 E ON JUN 5	2 280 000	1926
1927	915 ON JUN 12	784 ON JUN 12	52.1 ON MAY 2	4 240 000	1927
1928	1 040 AT 17:00 MST ON JUN 18	883 ON JUN 18	43.9 ON SEP 29	3 940 000	1928
1929	2 540 AT 17:30 MST ON JUN 4 *	2 230 ON JUN 4 *	3.20 ON OCT 16	2 210 000	1929
1930	443 AT 22:00 MST ON JUN 10	413 ON JUN 10	3.40 ON AUG 28	2 020 000	1930
1931	272 AT 22:00 MST ON JUN 21	254 ON JUN 18	4.42 ON MAY 5	1 110 000	1931
1932	2 310 AT 09:00 MST ON JUN 4	2 120 ON JUN 4	14.4 ON OCT 15	3 250 000	1932
1933	610 AT 23:30 MST ON MAY 18	580 ON JUN 18	108 ON MAY 3	---	1933
1934	558 AT 23:00 MST ON JUN 18	524 ON JUN 18	---	---	1934
1935	574 AT 07:00 MST ON JUN 19	711 ON JUN 19	46.2 ON MAY 22	3 070 000	1935
1936	---	490 ON JUN 8	24.1 ON OCT 11	2 250 000	1936
1937	1 130 AT 01:00 MST ON JUN 11	1 080 ON JUN 1	14.2 ON OCT 24	2 890 000	1937
1938	708 AT 00:59 MST ON OCT 22	337 ON JUN 10	13.0 ON MAY 6	1 610 000	1938
1939	---	854 ON JUN 30	4.87 ON SEP 20	2 700 000	1939
1970	503 AT 01:10 MST ON JUN 15	485 ON JUN 15	4.19 ON SEP 28	1 800 000	1970
1971	760 AT 08:00 MST ON JUN 8	681 ON JUN 8	3.54 ON SEP 27	1 540 000	1971
1972	683 AT 10:40 MST ON JUN 11	504 ON JUN 3	52.4 ON OCT 17	2 810 000	1972
1973	377 AT 06:18 MST ON JUN 27	360 ON JUN 27	7.16 ON AUG 31	1 530 000	1973
1974	643 AT 05:10 MDT ON JUN 18	644 ON JUN 25	15.6 ON OCT 12	2 420 000	1974
1975	508 AT 09:00 MST ON JUN 21	439 ON JUN 21	8.44 ON AUG 15	1 580 000	1975
1976	---	3986 ON AUG 7	8.51 ON OCT 14	1 680 000	1976
1977	507 AT 06:50 MST ON OCT 17	108 ON JUN 11	2.48 ON MAY 5	448 000	1977
1978	---	360 ON JUN 7	30.3 ON AUG 9	1 980 000	1978
1979	228 AT 20:45 MST ON MAY 28	218 ON MAY 28	5.55 ON OCT 14	731 000	1979
1980	---	416 ON MAY 28	2.83 ON JUL 15	1 380 000	1980
1981	837 AT 06:00 MST ON MAY 27	725 ON MAY 27	2.05 ON OCT 1	2 630 000	1981
1982	383 AT 06:25 MST ON JUL 5	259 ON JUL 5	3.84 ON SEP 30	1 100 000	1982
1983	303 AT 14:27 MST ON OCT 31	184 ON JUN 1	1.98 ON OCT 5	881 000	1983
1984	383 AT 14:27 MST ON OCT 31	182 ON JUN 19	4.31 ON OCT 22	383 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 340 000	MEAN

E - ESTIMATED

BOW RIVER BELOW BEARSPAW DAM - STATION NO. 05BM008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	53.4	52.5	49.9	55.5	76.8	135	129	98.0	85.2	44.8	44.5	40.1	71.3	1983
1984	51.2	49.8	39.1	44.1	53.9	128	122	92.1	75.0	52.4	44.5	41.3	66.1	1984
MEAN	52.3	51.2	44.5	49.8	65.4	133	126	95.1	79.1	48.6	44.5	40.7	68.7	MEAN

LOCATION - LAT 51 05 58 N LONG 114 13 31 W
DRAINAGE AREA, 7 770 km^2 REGULATED
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

BOW RIVER BELOW BEARSPAW DAM - STATION NO. 05BM008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	238 AT 02:00 MST ON JUL 16 *	193 ON MAY 31	34.0 ON DEC 27	2 250 000	1983
1984	---	225 ON JUL 2 *	31.2 ON OCT 27 *	2 090 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 170 000	MEAN

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	73.0	203	307	224	163	111	102	---	---	183	1910
1913	---	---	---	---	---	451	271	248	182	97.6	---	---	---	1913
1914	---	---	---	---	130	310	264	---	---	---	---	---	---	1914
1956	---	---	---	---	---	294	208	126	95.5	86.9	---	---	---	1956
1957	---	---	---	---	216	184	99.0	80.4	76.2	78.1	---	---	121	1957
1958	---	---	---	---	191	242	239	103	82.8	83.9	---	---	165	1958
1959	---	---	---	---	131	298	189	102	84.6	87.6	---	---	150	1959
1960	---	---	---	---	145	194	167	113	95.1	86.7	---	---	125	1960
1961	---	---	---	---	194	300	110	112	84.1	111	---	---	148	1961
1962	---	---	---	---	118	197	126	96.7	87.2	86.6	---	---	113	1962
1963	---	---	---	---	78.8	285	295	131	106	87.7	---	---	162	1963
1964	---	---	---	---	169	315	169	70.7	42.1	78.7	---	---	144	1964
1965	---	---	---	---	103	369	374	180	130	147	---	---	217	1965
1966	---	---	---	---	181	334	261	127	89.9	89.4	---	---	180	1966
1967	---	---	---	---	201	554	233	118	82.7	84.7	---	---	213	1967
1968	---	---	---	---	91.7	243	156	109	86.7	107	---	---	132	1968
1969	---	---	---	---	237	406	386	129	77.2	76.6	---	---	218	1969
1970	---	---	---	---	138	314	148	77.9	47.9	63.7	---	---	131	1970
1971	---	---	---	---	157	288	131	107	53.9	54.6	---	---	131	1971
1972	---	---	63.6	72.2	172	416	277	181	122	84.9	73.6	66.9	210	1972
1973	54.0	54.3	76.9	77.9	159	284	166	83.4	65.9	54.5	61.7	56.2	130	1973
1974	61.6	63.9	76.2	122	206	403	220	143	89.7	66.2	54.7	63.4	168	1974
1975	59.6	66.7	72.6	66.6	133	219	170	83.6	62.9	56.3	56.4	61.4	121	1975
1976	59.6	67.6	71.3	79.0	166	185	161	203	---	56.6	---	---	---	1976
1977	---	---	---	---	56.6	110	76.4	63.0	62.0	56.9	---	---	71.3	1977
1978	---	---	---	---	127	277	163	105	106	93.6	---	---	150	1978
1979	---	---	---	---	140	134	61.1	64.7	61.6	47.6	---	---	66.6	1979
1980	---	---	---	146	164	287	---	---	59.0	73.4	---	---	---	1980
1981	---	---	---	60.3	273	332	291	201	66.4	47.3	---	---	202	1981
1982	---	---	---	---	73.6	233	166	67.1	47.7	56.6	---	---	103	1982
1983	---	---	---	63.6	84.2	148	121	73.4	61.4	61.4	---	---	66.1	1983
1984	---	---	---	63.6	42.6	136	93.4	61.4	63.1	42.2	---	---	71.1	1984
MEAN	61.3	66.7	72.3	87.6	160	281	188	117	76.9	76.3	62.1	63.0	146	MEAN

LOCATION - LAT 50 49 50 N DRAINAGE AREA, 15 700 km²
LONG 113 26 00 W REGULATED SINCE 1968

BOW RIVER BELOW CARSELAND DAM - STATION NO. 05BM002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	416 ON JUN 13	63.3 ON OCT 31	2 810 000	1910
1913	---	648 ON JUN 13	---	---	1913
1914	---	445 ON JUN 17	---	---	1914
1956	483 AT 04:00 MST ON JUN 6	411 ON JUN 3	---	---	1956
1957	406 AT 23:30 MST ON JUN 9	348 ON JUN 9	39.1 ON SEP 2	1 920 000	1957
1958	382 AT 11:00 MST ON JUL 6	357 ON JUL 6	36.6 ON OCT 20	2 480 000	1958
1959	586 AT 07:00 MST ON JUN 26	549 ON JUN 26	54.9 ON SEP 15	2 380 000	1959
1960	328 AT 08:00 MST ON JUL 3	309 ON JUL 3	32.6 ON OCT 12	1 980 000	1960
1961	536 AT 14:00 MST ON MAY 29	524 ON MAY 29	42.6 ON SEP 16	2 360 000	1961
1962	258 AT 13:00 MST ON JUN 19	241 ON JUN 29	38.4 ON OCT 7	1 800 000	1962
1963	1 360 AT 01:00 MST ON JUL 1 *	1 070 ON JUL 1	61.5 ON MAY 1	2 980 000	1963
1964	617 AT 06:00 MST ON JUN 18	606 ON JUN 18	22.9 ON SEP 8	2 260 000	1964
1965	844 AT 04:00 MST ON JUN 19	799 ON JUN 19	67.4 ON MAY 8	3 450 000	1965
1966	586 AT 18:00 MST ON JUN 5	548 ON JUN 5	67.1 ON SEP 21	3 660 000	1966
1967	1 210 AT 12:15 MST ON MAY 31	883 ON MAY 31	89.5 ON OCT 22	3 380 000	1967
1968	385 AT 10:13 MST ON JUN 9	384 ON JUN 9	47.5 ON MAY 1	2 100 000	1968
1969	1 240 AT 07:00 MST ON JUN 30	1 130 ON JUN 30 *	40.6 ON SEP 11	3 470 000	1969
1970	833 AT 03:20 MST ON JUN 15	753 ON JUN 15	25.9 ON SEP 24	2 680 000	1970
1971	728 AT 02:05 MST ON JUN 7	705 ON JUN 7	31.4 ON SEP 25	2 680 000	1971
1972	860 AT 07:30 MST ON JUN 10	836 ON JUN 12	73.6 ON OCT 16	3 340 000	1972
1973	382 AT 22:00 MST ON JUN 26	357 ON MAY 26	27.5 ON OCT 14	2 070 000	1973
1974	882 AT 14:00 MST ON JUN 19	846 ON JUN 19	59.2 ON OCT 29	2 990 000	1974
1975	496 AT 21:00 MST ON JUN 20	447 ON JUN 21	48.1 ON OCT 27	1 920 000	1975
1976	473 AT 14:30 MST ON AUG 6	402 ON AUG 6	---	---	1976
1977	217 AT 08:30 MST ON JUN 10	197 ON JUN 10	18.4 ON OCT 24 *	1 130 000	1977
1978	386 AT 06:30 MST ON JUN 7	382 ON JUN 10	71.4 ON OCT 31	2 380 000	1978
1979	258 AT 01:00 MST ON MAY 26	242 ON MAY 26	41.2 ON SEP 27	1 370 000	1979
1980	500 AT 20:00 MST ON MAY 27	440 ON MAY 27	---	---	1980
1981	769 AT 03:50 MST ON MAY 27	734 ON MAY 27	24.6 ON OCT 19	3 210 000	1981
1982	388 AT 06:44 MST ON JUN 30	327 ON JUN 30	25.3 ON SEP 21	1 850 000	1982
1983	246 AT 13:14 MST ON MAY 31	238 ON MAY 31	32.2 ON OCT 16	1 400 000	1983
1984	242 AT 09:37 MST ON JUL 3	210 ON JUL 3	29.3 ON MAY 14	1 130 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 320 000	MEAN

BOW RIVER BELOW GHOST DAM - STATION NO. 05BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	280	231	128	86.9	61.9	46.2	---	---	1933
1934	---	---	---	86.6	193	213	140	106	74.9	49.1	39.4	---	---	1934
1935	---	31.2	31.1	40.3	74.4	243	234	137	76.6	49.1	35.6	34.1	---	1935
1936	---	---	---	36.6	116	206	131	100	61.6	38.1	32.3	---	---	1936
1937	---	---	---	31.1	48.0	176	166	119	76.6	56.9	61.7	27.7	---	1937
1938	29.9	27.4	27.4	31.2	113	300	209	100	83.0	63.9	40.2	27.4	87.1	1938
1939	26.6	30.6	29.0	36.3	96.1	182	182	112	77.0	64.4	48.4	38.6	74.4	1939
1940	31.0	30.2	27.7	31.7	126	173	134	87.6	66.9	56.3	36.6	32.9	72.9	1940
1941	27.1	25.7	33.6	37.2	42.6	134	107	86.6	66.3	46.6	33.1	29.2	57.2	1941
1942	26.9	29.4	26.6	36.6	66.1	160	139	133	67.4	62.1	44.2	46.6	61.3	1942
1943	46.9	40.3	46.2	72.6	77.2	143	240	117	64.6	64.3	61.0	46.4	63.6	1943
1944	41.6	36.6	61.0	66.7	66.6	166	104	112	72.4	46.6	46.6	41.6	66.4	1944
1945	44.6	36.2	36.4	47.3	66.0	187	163	66.2	67.7	61.6	47.2	46.1	74.0	1945
1946	47.6	44.0	66.6	63.1	116	222	166	103	66.4	62.6	46.6	61.6	67.1	1946
1947	47.2	42.7	46.6	66.2	142	266	162	66.6	66.2	76.6	61.1	63.1	66.6	1947
1948	46.2	61.4	47.2	64.2	163	323	176	164	67.1	67.2	63.4	46.3	110	1948
1949	60.0	36.6	46.7	62.6	66.4	126	63.3	66.6	60.6	61.4	42.6	36.3	64.0	1949
1950	33.1	26.6	26.7	36.4	46.6	201	166	100	74.6	66.0	67.6	46.2	74.6	1950
1951	66.6	66.6	46.6	62.4	131	212	266	166	141	66.4	76.6	72.3	116	1951
1952	62.6	66.4	62.6	66.6	122	203	176	130	63.4	66.6	66.6	66.3	66.1	1952
1953	66.6	66.6	64.6	76.4	66.2	240	216	106	66.2	67.7	67.1	66.6	66.3	1953
1954	61.6	62.3	62.6	66.1	63.4	216	247	176	142	63.6	76.2	66.7	114	1954
1955	63.6	66.2	64.6	67.6	62.6	164	172	66.6	72.2	66.2	61.6	61.3	66.6	1955
1956	70.1	66.6	61.6	62.1	66.2	207	166	104	76.7	70.7	63.6	61.6	61.7	1956
1957	66.6	63.2	66.4	61.6	130	146	106	61.6	67.4	63.1	60.6	64.7	77.1	1957
1958	62.6	77.3	66.6	77.6	106	167	164	102	71.6	70.6	63.3	66.1	66.2	1958
1959	66.6	62.6	64.6	66.6	71.6	166	166	103	64.4	66.6	67.1	66.6	66.6	1959
1960	66.3	66.6	64.1	66.7	71.1	133	166	106	66.6	66.6	67.3	66.6	76.6	1960
1961	66.3	66.6	66.6	66.6	107	236	126	121	77.4	76.4	76.6	76.6	63.1	1961
1962	73.6	73.1	77.2	62.3	77.7	146	144	111	61.1	---	---	---	---	1962
1963	76.6	66.6	66.6	66.4	66.6	174	146	102	67.3	76.3	66.6	64.2	66.6	1963
1964	63.4	64.2	46.2	61.4	133	236	206	116	66.6	67.7	63.3	46.6	67.6	1964
1970	66.2	66.6	63.2	66.4	66.7	166	132	61.7	71.6	62.2	66.6	66.6	76.4	1970
1971	67.4	33.1	61.2	66.6	66.4	167	146	136	76.6	67.6	66.1	46.4	61.6	1971
1972	66.6	67.4	67.6	63.2	66.6	262	231	164	106	67.6	46.6	67.6	103	1972
1973	61.1	66.2	66.1	67.6	66.2	166	172	66.6	66.6	66.6	66.2	63.2	63.2	1973
1974	66.6	66.2	67.6	63.6	64.6	273	206	166	101	67.6	46.6	67.1	101	1974
1975	63.3	66.3	64.4	66.6	73.6	127	146	66.6	66.6	66.6	66.6	66.4	71.6	1975
1976	67.2	66.6	63.6	63.6	124	161	176	166	126	76.6	46.6	66.6	66.6	1976
1977	66.6	66.6	66.6	63.6	62.4	126	66.7	66.2	76.6	66.6	66.6	66.4	66.3	1977
1978	---	---	---	---	66.2	174	167	101	66.6	66.1	---	---	---	1978
1979	64.6	71.6	67.6	66.6	64.6	126	106	67.6	73.1	63.6	33.2	37.2	71.6	1979
1980	---	---	---	---	123	216	116	66.6	66.6	66.4	---	---	---	1980
1981	---	---	---	---	167	214	266	166	66.1	63.7	---	---	---	1981
1982	---	---	---	---	66.7	167	163	66.1	76.4	67.6	---	---	---	1982
1983	---	---	---	---	76.6	133	126	106	66.7	66.6	---	---	---	1983
1984	---	---	---	---	64.6	126	124	63.6	76.6	64.6	---	---	---	1984
MEAN	62.1	66.6	67.1	64.6	66.6	193	166	114	62.3	66.7	61.2	66.6	66.3	MEAN

LOCATION - LAT 61 12 66 N DRAINAGE AREA, 6 660 km²
LONG 114 36 46 W REGULATED SINCE 1911

BOW RIVER BELOW GHOST DAM - STATION NO. 05BE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	806 AT 22:30 MST ON JUN 17 *	575 ON JUN 18 *	---	---	1933
1934	498 AT 10:30 MST ON JUN 1	425 ON JUN 1	---	---	1934
1935	398 AT 10:00 MST ON JUN 17	374 ON JUN 17	---	---	1935
1936	442 AT 22:00 MST ON JUN 2	422 ON JUN 2	---	---	1936
1937	267 AT 11:00 MST ON JUN 18	267 ON JUN 18	---	---	1937
1938	484 AT 11:30 MST ON JUN 23	418 ON JUN 23	4.25 ON DEC 28	2 780 000	1938
1939	314 AT 23:00 MST ON JUL 2	287 ON JUL 2	4.19 ON MAR 26	2 350 000	1939
1940	357 AT 11:00 MST ON MAY 25	288 ON MAY 26	4.08 ON FEB 11 *	2 300 000	1940
1941	208 AT 22:30 MST ON JUN 15	172 ON JUN 15	8.72B ON FEB 8	1 810 000	1941
1942	343 AT 11:30 MST ON JUN 9	282 ON JUN 9	5.10A ON JAN 24	2 580 000	1942
1943	408 AT 10:30 MST ON JUL 11	317 ON JUL 11	12.2 A ON JAN 31	2 640 000	1943
1944	248 AT 11:00 MST ON JUN 2	212 ON JUN 14	12.0 ON DEC 3	2 180 000	1944
1945	388 AT 10:30 MST ON MAY 31	281 ON JUN 22	8.71 ON MAR 25	2 330 000	1945
1946	385 AT 11:30 MST ON MAY 29	337 ON MAY 29	15.5 ON FEB 24	2 760 000	1946
1947	382 AT 11:00 MST ON JUN 12	337 ON JUN 12	21.5 ON MAR 9	3 050 000	1947
1948	595 AT 09:20 MST ON MAY 24	547 ON MAY 25	11.3 ON MAR 21	3 470 000	1948
1949	---	198 ON JUN 8	9.68 ON MAR 20	2 020 000	1949
1950	458 AT 10:30 MST ON JUN 23	394 ON JUN 23	8.43A ON MAY 14	2 350 000	1950
1951	450 AT 15:00 MST ON JUL 6	386 ON JUL 7	9.23A ON MAR 4	3 580 000	1951
1952	374 AT 14:00 MST ON JUN 23	303 ON JUN 23	18.0 ON SEP 7	3 040 000	1952
1953	479 AT 15:00 MST ON JUN 13	433 ON JUN 14	5.61 ON OCT 11	3 100 000	1953
1954	402 AT 15:00 MST ON AUG 25	343 ON JUL 7	23.6 B ON FEB 21	3 590 000	1954
1955	405 AT 14:00 MST ON JUN 24	340 ON JUN 25	10.5 ON NOV 28	2 710 000	1955
1956	331 AT 21:00 MST ON JUN 8	317 ON JUN 7	8.92 ON SEP 30	2 800 000	1956
1957	286 AT 17:00 MST ON JUN 8	244 ON JUN 8	28.3 ON NOV 24	2 430 000	1957
1958	227 AT 17:00 MST ON JUL 7	220 ON JUN 12	32.6 ON NOV 18	2 840 000	1958
1959	286 AT 02:00 MST ON JUN 26	275 ON JUN 27	34.0 ON MAR 27	2 730 000	1959
1960	297 AT 05:00 MST ON JUL 2	230 ON JUL 2	29.7 ON MAY 10	2 500 000	1960
1961	385 AT 08:00 MST ON JUN 7	357 ON JUN 7	33.1 ON FEB 5	2 940 000	1961
1962	234 AT 07:00 MST ON JUN 26	233 ON JUN 26	---	---	1962
1968	242 AT 14:30 MST ON JUN 12	239 ON JUN 13	28.8 ON DEC 2	2 580 000	1968
1969	317 AT 14:01 MST ON JUN 29	300 ON JUN 7	28.3 ON APR 5	3 080 000	1969
1970	280 AT 15:05 MST ON JUN 16	250 ON JUN 17	22.8 ON APR 12	2 380 000	1970
1971	343 AT 15:00 MST ON JUN 8	320 ON JUN 8	25.5 ON APR 11	2 570 000	1971
1972	476 AT 12:30 MST ON JUL 3	405 ON JUL 3	30.0 ON APR 2	3 280 000	1972
1973	374 AT 11:00 MST ON JUN 25	314 ON JUN 26	36.2 ON APR 22	2 830 000	1973
1974	518 AT 13:30 MST ON JUN 26	504 ON JUN 26	33.4 ON JAN 25	3 190 000	1974
1975	204 AT 11:00 MST ON AUG 2	202 ON JUL 15	30.0 ON OCT 25	2 280 000	1975
1976	257 AT 14:00 MST ON AUG 6	244 ON AUG 6	36.2 ON APR 4	3 000 000	1976
1977	198 AT 14:00 MST ON JUN 22	193 ON JUN 10	33.7 ON OCT 23	2 080 000	1977
1978	237 AT 10:00 MST ON JUN 11	235 ON JUN 11	---	---	1978
1979	259 AT 10:00 MST ON JUN 22	151 ON JUN 15	28.2 ON DEC 1	2 240 000	1979
1980	298 AT 12:00 MST ON JUN 19	295 ON JUN 19	---	---	1980
1981	408 AT 08:25 MST ON MAY 28	402 ON MAY 28	39.7 ON OCT 23	---	1981
1982	288 AT 04:24 MST ON JUN 24	288 ON JUN 24	---	---	1982
1983	202 AT 22:44 MST ON JUL 15	192 ON MAY 31	---	---	1983
1984	235 AT 15:35 MST ON JUL 17	222 ON JUL 2	---	---	1984
				2 690 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER BELOW HECTOR LAKE - STATION NO. 05BA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	15.0	8.58	3.37	---	---	---	1973
1974	---	---	---	---	4.31	26.1	26.0	17.4	8.63	3.09	---	---	14.5	1974
1975	---	---	---	---	3.68	15.8	25.3	13.3	8.58	3.31	---	---	11.5	1975
1976	---	---	---	---	10.7	14.2	28.0	22.0	15.0	4.33	---	---	16.7	1976
MEAN	---	---	---	---	6.23	18.7	26.4	16.8	9.17	3.63	---	---	13.9	MEAN

LOCATION - LAT 51 32 30 N, LONG 116 17 40 W DRAINAGE AREA, 280 km^2, NATURAL FLOW

BOW RIVER BELOW HECTOR LAKE - STATION NO. 05BA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	60.0 AT 01:40 MST ON JUN 25 *	58.0 ON JUN 24 *	2.18 ON MAY 1	231 000	1974
1975	38.8 AT 03:30 MST ON JUL 14	36.2 ON JUL 14	0.850E ON MAY 1 *	183 000	1975
1976	38.2 AT 00:30 MST ON JUL 10	35.7 ON JUL 9	1.80 ON MAY 1	250 000	1976
				221 000	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.007	0.078	0.108	0.059	0.021	0.088	---	---	0.082	1957
1958	---	---	---	---	0.083	0.103	0.133	0.054	0.034	0.065	---	---	0.074	1958
1959	---	---	---	---	0.007	0.126	0.262	0.078	0.038	0.026	---	---	0.090	1959
1960	---	---	---	---	0.008	0.280	0.389	0.092	0.065	0.087	---	---	0.150	1960
1961	---	---	---	---	0.092	0.313	0.438	0.057	0.129	0.141	---	---	0.194	1961
1962	---	---	---	---	0.034	0.345	0.274	0.048	0.047	0.028	---	---	0.128	1962
1963	---	---	---	---	0.085	0.458	0.691	0.182	0.123	0.138	---	---	0.178	1963
1964	---	---	---	---	0.018	0.388	0.486	0.287	0.152	0.177	---	---	0.248	1964
1965	---	---	---	---	0.014	0.218	0.288	0.289	0.170	0.083	---	---	0.173	1965
1966	---	---	---	---	0.010	0.263	0.494	0.170	0.094	0.183	---	---	0.203	1966
1972	---	---	---	---	0.036	0.132	0.388	0.198	0.084	0.138	---	---	0.185	1972
1973	---	---	---	---	0.100	0.178	0.350	0.213	0.218	0.088	---	---	0.182	1973
1974	---	---	---	---	0.038	0.284	0.718	0.448	0.098	0.191	---	---	0.297	1974
1975	---	---	---	---	---	0.083	---	---	0.133	0.122	---	---	---	1975
1976	---	---	---	---	0.088	0.414	0.493	0.285	0.143	0.147	---	---	0.255	1976
1977	---	---	---	---	0.225	0.328	0.530	0.312	0.118	0.088	---	---	0.269	1977
1978	---	---	---	---	0.050	0.117	0.475	0.285	0.041	0.078	---	---	0.172	1978
1979	---	---	---	---	0.048	0.338	0.611	0.382	0.035	0.123	---	---	0.256	1979
1980	---	---	---	---	0.408	0.402	0.721	0.280	0.081	0.127	---	---	0.334	1980
1981	---	---	---	---	0.084	0.272	1.00	0.282	0.287	0.150	---	---	0.337	1981
1982	---	---	---	---	0.025	0.352	0.647	0.344	0.094	0.148	---	---	0.268	1982
1983	---	---	---	---	0.040	0.508	0.392	0.180	0.114	0.075	---	---	0.217	1983
1984	---	---	---	---	0.102	0.359	0.367	0.189	0.089	0.034	---	---	0.188	1984
MEAN	---	---	---	---	0.089	0.273	0.438	0.211	0.103	0.112	---	---	0.202	MEAN

LOCATION - LAT 50 00 05 N
LONG 111 43 57 W REGULATED

BOW RIVER DEVELOPMENT DRAIN A NEAR HAYS - STATION NO. 05AG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.686 ON OCT 26	0 ON OCT 23 *	880	1957
1958	---	0.527 ON JUL 14	0 ON OCT 21	1 170	1958
1959	---	0.909 ON JUN 27	0 ON JUN 2	1 430	1959
1960	---	0.631 ON JUL 4	0.003 ON MAY 22	2 360	1960
1961	---	0.725 ON JUL 10	0 ON MAY 1	3 050	1961
1962	---	0.841 ON JUN 14	0 E ON MAY 1	2 050	1962
1963	---	1.27 ON JUN 22	0.011 ON MAY 12	2 530	1963
1964	---	0.810 ON JUL 8	0.008 ON MAY 18	3 910	1964
1965	---	1.35 ON JUN 17	0 ON MAY 12	2 750	1965
1966	---	1.33 ON JUL 25	0.003 ON MAY 13	3 220	1966
1972	---	0.498 ON JUL 15	0.020 ON AUG 29	2 930	1972
1973	---	0.610 ON JUL 17	0.021 ON JUN 26	3 080	1973
1974	---	0.889 ON JUL 19	0.035E ON MAY 7	4 730	1974
1975	---	---	---	---	1975
1976	---	0.736 ON JUN 7	0 ON MAY 13	4 050	1976
1977	---	0.748 ON JUL 1	0 ON MAY 1	4 240	1977
1978	---	0.776 ON JUL 23	0 ON JUN 5	2 730	1978
1979	---	0.686 ON JUL 16	0 ON MAY 31	4 040	1979
1980	---	1.36 ON MAY 28	0 ON MAY 1	5 310	1980
1981	---	1.83 ON JUL 28 *	0 ON MAY 1	5 370	1981
1982	---	1.36 ON JUL 2	0.014 ON MAY 25	4 270	1982
1983	---	1.10 ON JUN 29	0.003 ON MAY 24	3 450	1983
1984	---	1.45 ON JUN 22	0 ON MAY 1	2 980	1984
				3 220	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.018	0.403	0.274	0.107	0.029	0.051	---	---	0.148	1958
1959	---	---	---	---	0	0.232	0.333	0.205	0.047	0.060	---	---	0.146	1959
1960	---	---	---	---	0.004	0.184	0.502	0.314	0.053	0.123	---	---	0.198	1960
1961	---	---	---	---	0.072	0.605	0.948	0.312	0.224	0.138	---	---	0.383	1961
1962	---	---	---	---	0.068	0.474	0.478	0.407	0.183	0.222	---	---	0.301	1962
1963	---	---	---	---	0.148	1.07	0.708	0.375	0.244	0.228	---	---	0.393	1963
1964	---	---	---	---	0.020	0.588	0.553	0.518	0.155	0.234	---	---	0.362	1964
1965	---	---	---	---	0	0.112	0.378	0.484	0.101	0.152	---	---	0.207	1965
1966	---	---	---	---	0.010	0.211	0.579	0.306	0.224	0.175	---	---	0.251	1966
1967	---	---	---	---	0	0.021	0.675	0.624	0.348	0.349	---	---	0.371	1967
1968	---	---	---	---	0.135	0.446	0.636	0.536	0.331	0.245	---	---	0.422	1968
1969	---	---	---	---	0.082	0.712	0.710	0.915	0.747	0.395	---	---	0.592	1969
1970	---	---	---	---	0.408	0.768	0.711	0.883	0.495	0.278	---	---	0.580	1970
1971	---	---	---	---	0.050	0.583	1.04	0.720	0.623	0.228	---	---	0.541	1971
1972	---	---	---	---	0.131	0.741	0.791	0.820	0.583	0.286	---	---	0.559	1972
1973	---	---	---	---	0.391	0.786	0.986	0.880	0.602	0.402	---	---	0.674	1973
1974	---	---	---	---	0.013	0.624	0.838	0.694	0.801	0.430	---	---	0.549	1974
1975	---	---	---	---	0.087	0.173	1.06	0.984	0.877	0.471	---	---	0.606	1975
1976	---	---	---	---	0.298	1.06	1.17	1.28	0.934	0.777	---	---	0.922	1976
1977	---	---	---	---	0.674	0.870	0.937	0.748	0.524	0.240	---	---	0.682	1977
1978	---	---	---	---	0.010	0.241	1.11	0.607	0.195	1.03	---	---	0.670	1978
1979	---	---	---	---	0.008	0.789	1.09	0.843	0.689	0.434	---	---	0.641	1979
1980	---	---	---	---	0.854	0.680	1.05	0.984	0.898	0.340	---	---	0.787	1980
1981	---	---	---	---	0.117	1.12	1.24	1.17	1.04	0.597	---	---	0.878	1981
1982	---	---	---	---	0.215	0.788	1.12	1.11	0.844	0.404	---	---	0.780	1982
1983	---	---	---	---	0.189	1.29	1.25	1.09	0.897	0.215	---	---	0.818	1983
1984	---	---	---	---	0.482	1.06	1.15	0.948	0.452	0.108	---	---	0.700	1984
MEAN	---	---	---	---	0.158	0.621	0.830	0.710	0.482	0.318	---	---	0.520	MEAN

LOCATION - LAT 50 11 40 N
LONG 112 02 50 W REGULATED

BOW RIVER DEVELOPMENT DRAIN D NEAR VAUXHALL - STATION NO. 05BN008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.742 ON JUN 28	0.003 ON MAY 5	2 330	1958
1959	---	1.69 ON JUN 27	0 ON MAY 1 *	2 330	1959
1960	---	0.770 ON AUG 1	0 ON MAY 11	3 140	1960
1961	---	1.47 ON JUL 12	0 ON MAY 1	6 080	1961
1962	---	1.88 ON JUN 14	0 ON MAY 1	4 780	1962
1963	---	10.1 ON JUN 22 *	0 ON MAY 1	6 240	1963
1964	---	1.88 ON JUN 16	0 ON MAY 12	5 760	1964
1965	---	1.38 ON JUL 26	0 E ON MAY 1	3 280	1965
1966	---	4.47 ON JUL 15	0 ON MAY 17	4 000	1966
1967	---	1.06 ON JUL 13	0 ON MAY 1	5 800	1967
1968	---	2.35 ON JUN 30	0 ON MAY 1	6 700	1968
1969	---	1.63 ON JUL 21	0 ON MAY 1	9 420	1969
1970	---	3.06 ON JUN 13	0.003E ON MAY 1	9 370	1970
1971	---	1.67 ON JUL 10	0 ON MAY 1	8 800	1971
1972	---	1.21 ON JUL 14	0 ON MAY 1	8 880	1972
1973	---	2.33 ON JUN 15	0 ON MAY 1	10 700	1973
1974	---	1.23 ON JUL 22	0 ON MAY 1	8 740	1974
1975	---	1.84 ON JUL 31	0 ON MAY 18	9 840	1975
1976	---	2.18 ON JUL 1	0 ON MAY 1	14 700	1976
1977	---	1.55 ON SEP 22	0 ON MAY 1	10 600	1977
1978	---	1.71 ON OCT 22	0 ON MAY 18	9 060	1978
1979	---	1.69 ON JUL 29	0 ON MAY 27	10 200	1979
1980	---	2.08 ON MAY 25	0.001 ON MAY 1	12 200	1980
1981	---	2.75 ON JUN 14	0 ON MAY 1	14 000	1981
1982	---	2.53 ON JUL 2	0 ON MAY 1	12 100	1982
1983	---	2.36 ON JUL 4	0 ON MAY 6	13 000	1983
1984	---	2.30 ON JUN 22	0 ON MAY 1	11 100	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 260	MEAN

E - ESTIMATED

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	0.058	0.245	0.168	0.273	0.291	0.182	---	---	0.202	1970
1971	---	---	---	---	0.028	0.180	0.180	0.183	0.178	0.086	---	---	0.138	1971
1972	---	---	---	---	0.038	0.174	0.245	0.181	0.104	0.071	---	---	0.132	1972
1973	---	---	---	---	0.108	0.233	0.272	0.268	0.108	0.104	---	---	0.182	1973
1974	---	---	---	---	0.028	0.118	0.238	0.315	0.172	0.128	---	---	0.167	1974
1975	---	---	---	---	0.148	0.118	0.280	0.332	0.251	0.085	---	---	0.208	1975
1976	---	---	---	---	0.124	0.202	0.278	0.273	0.288	0.148	---	---	0.218	1976
1977	---	---	---	---	0.323	0.186	0.218	0.268	0.188	0.063	---	---	0.188	1977
1978	---	---	---	---	0,015	0.088	0.185	0.269	0.074	0.118	---	---	0.122	1978
1979	---	---	---	---	0.004	0.251	0.251	0.317	0.285	0.126	---	---	0.222	1979
1980	---	---	---	---	0.121	0.127	0.178	0.280	0.187	0.080	---	---	0.159	1980
1981	---	---	---	---	0.085	0.248	0.247	0.228	0.188	0.085	---	---	0.183	1981
1982	---	---	---	---	0.103	0.228	0.227	0.228	0.200	0.078	---	---	0.177	1982
1983	---	---	---	---	0.087	0.384	0.280	0.228	0.178	0.042	---	---	0.188	1983
1984	---	---	---	---	0.140	0.228	0.180	0.188	0.101	0.011	---	---	0.138	1984
MEAN	---	---	---	---	0.087	0.200	0.237	0.248	0.184	0.098	---	---	0.175	MEAN

LOCATION - LAT 50 11 43 N
LONG 112 05 18 W REGULATED

BOW RIVER DEVELOPMENT DRAIN E NEAR VAUXHALL - STATION NO. 05BN023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	0.900 ON JUN 13	0E ON MAY 1 *	2 210	1970
1971	---	0 456 ON AUG 25	0 ON MAY 1	2 180	1971
1972	---	0.377 ON JUN 23	0 ON MAY 1	2 100	1972
1973	---	0.733 ON JUN 15	0 ON MAY 1	2 900	1973
1974	---	0.501 ON AUG 20	0 ON MAY 28	2 650	1974
1975	---	0.513 ON MAY 6	0 ON JUN 3	3 270	1975
1976	---	0.572 ON JUL 1	0 ON MAY 1	3 470	1976
1977	---	0.473 ON MAY 11	0 ON MAY 1	2 980	1977
1978	---	1.04 ON AUG 23 *	0 ON JUN 4	1 940	1978
1979	---	0.727 ON AUG 4	0A ON OCT 30	3 530	1979
1980	---	0.785 ON MAY 25	0 ON JUN 7	2 530	1980
1981	---	0 461 ON JUN 14	0 ON MAY 1	2 900	1981
1982	---	0.517 ON MAY 27	0 ON MAY 1	2 610	1982
1983	---	0.636 ON JUN 20	0 ON MAY 8	3 150	1983
1984	---	0 588 ON JUN 22	0 ON OCT 12	2 190	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 780	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.018	0.024	0.018	0.017	0 093	0 100	---	---	0.045	1958
1959	---	---	---	---	0.034	0 070	0 284	0.338	0.182	0.408	---	---	0.217	1959
1960	---	---	---	---	0.047	0 305	0 278	0 145	0.073	0.247	---	---	0.182	1960
1961	---	---	---	---	0.268	0 172	0 186	0.103	0 154	0.365	---	---	0.210	1961
1962	---	---	---	---	0 198	0 270	0 068	0 290	0 329	0.182	---	---	0.221	1962
1963	---	---	---	---	0.230	0 802	0 705	0.547	0.524	0.282	---	---	0.530	1963
1964	---	---	---	---	0.022	0 517	0 136	0 834	0.095	0 146	---	---	0.258	1964
1965	---	---	---	---	0.011	0 522	0.213	0.481	0 439	0.204	---	---	0.312	1965
1966	---	---	---	---	0.017	0 510	1.07	1 02	0 702	0 484	---	---	0.833	1966
1968	---	---	---	---	---	---	---	0.474	0 425	0.312	---	---	---	1968
1969	---	---	---	---	---	0 738	0 532	0.284	0 452	0.597	---	---	---	1969
1970	---	---	---	---	0.202	0 665	0 629	0.680	0.390	0 555	---	---	0.548	1970
1971	---	---	---	---	0.147	0 661	1.19	1 03	0.578	0 291	---	---	0 850	1971
1972	---	---	---	---	0 050	0 768	0 539	0 808	0 630	0 739	---	---	0 854	1972
1973	---	---	---	---	0.125	0 588	0 879	0 739	0 739	0 633	---	---	0 583	1973
1974	---	---	---	---	0.239	0 774	1.14	1.17	1.03	0 708	0.103	---	0 843	1974
1975	---	---	---	---	0.181	0 648	0.617	1.63	1.38	0 825	---	---	0.825	1975
1976	---	---	---	---	0 639	1.33	1.35	1.96	0.847	1 00	---	---	1 18	1976
1977	---	---	---	---	0.735	0 881	1 40	1.25	1.04	0 842	---	---	1 03	1977
1978	---	---	---	---	0 103	0 980	1 49	2.08	0 959	1 72	---	---	1 22	1978
1979	---	---	---	---	0.058	1 27	0 736	1.55	0 883	1 11	---	---	0 901	1979
1980	---	---	---	---	0.775	0 921	1 65	2 32	1 09	0 886	---	---	1 24	1980
1981	---	---	---	---	0.600	1 25	1 91	1.82	1 03	1 29	---	---	1 38	1981
1982	---	---	---	---	0 358	1 95	2 41	2 56	1 72	1.17	---	---	1 69	1982
1983	---	---	---	---	0 141	1 74	1 74	1 27	0 824	0 596	---	---	1 05	1983
1984	---	---	---	---	0 123	1 68	1.16	1.29	0 564	0.221	---	---	0.836	1984
MEAN	---	---	---	---	0.230	0 813	0 888	1.02	0 644	0 808	0 103	---	0.716	MEAN

LOCATION - LAT 50 17 25 N
LONG 112 10 52 W REGULATED

BOW RIVER DEVELOPMENT DRAIN K NEAR VAUXHALL - STATION NO. 05BN005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.170 ON OCT 15	0 ON JUL 12 *	712	1958
1959	---	0.875 ON OCT 15	0.003 ON JUN 15	3 450	1959
1960	---	0.880 ON JUN 25	0.003 ON SEP 11	2 900	1960
1961	---	0.801 ON MAY 15	0.008 ON AUG 23	3 340	1961
1962	---	1.08 ON AUG 4	0 ON JUN 30	3 820	1962
1963	---	2.15 ON JUN 30	0.008 ON MAY 2	8 420	1963
1964	---	1.48 ON JUN 15	0 E ON MAY 1	4 100	1964
1965	---	1.79 ON JUN 25	0 ON MAY 8	4 880	1965
1966	---	2.02 ON JUL 6	0 ON MAY 11	10 100	1966
1968	---	---	---	---	1968
1969	---	1.34 ON JUN 12	---	---	1969
1970	---	3.00 ON JUN 18	0.042E ON MAY 1	8 730	1970
1971	---	2.27 ON JUL 12	0.058A ON MAY 4	10 300	1971
1972	---	1.63 ON JUN 30	0.020 ON MAY 18	8 800	1972
1973	---	1.26 ON JUN 19	0.008 ON MAY 10	9 270	1973
1974	---	2.29 A ON JUL 14	0.138 ON MAY 14	13 400	1974
1975	---	2.86 ON JUN 20	0.034E ON JUN 11	14 700	1975
1976	---	3.43 ON AUG 10	0.026 ON MAY 3	18 400	1976
1977	---	2.88 ON JUL 31	0.031 ON MAY 3	16 300	1977
1978	---	3.36 ON AUG 23	0.057A ON MAY 18	18 500	1978
1979	---	2.84 ON AUG 1	0.021 ON MAY 27	14 300	1979
1980	---	3.23 ON AUG 10	0.074 ON MAY 2	18 800	1980
1981	---	3.83 ON AUG 23	0.035 ON MAY 1	21 500	1981
1982	---	3.73 ON JUL 3 *	0.049 ON MAY 22	26 900	1982
1983	---	3.08 ON JUL 7	0.032 ON MAY 4	16 700	1983
1984	---	3.01 ON JUN 11	0.029 ON MAY 19	13 300	1984
				11 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT DRAIN Y NEAR HAYS - STATION NO. 05AG005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	0.010	0.218	0.207	0.148	0.125	0.057	---	---	0.127	1958
1959	---	---	---	---	0	0.135	0.139	0.149	0.142	0.087	---	---	0.105	1959
1960	---	---	---	---	0	0.077	0.469	0.271	0.091	0.189	---	---	0.188	1960
1961	---	---	---	---	0.018	0.278	0.483	0.221	0.354	0.177	---	---	0.255	1961
1962	---	---	---	---	0.023	0.425	0.537	0.330	0.090	0.185	---	---	0.265	1962
1963	---	---	---	---	0.040	0.103	0.426	0.487	0.289	0.217	---	---	0.261	1963
1964	---	---	---	---	0	0.264	0.512	0.458	0.407	0.201	---	---	0.305	1964
1965	---	---	---	---	0.002	0.312	0.316	0.485	0.086	0.163	---	---	0.223	1965
1966	---	---	---	---	0.011	---	---	0.282	---	---	---	---	---	1966
1967	---	---	---	---	---	---	---	0.553	0.260	0.385	---	---	---	1967
1968	---	---	---	---	0.131	0.255	0.584	0.480	0.302	0.285	---	---	0.331	1968
1969	---	---	---	---	0.007	0.378	0.413	0.484	0.387	0.427	---	---	0.349	1969
1970	---	---	---	---	0.032	0.309	0.682	0.847	0.538	0.511	---	---	0.484	1970
1971	---	---	---	---	---	---	---	---	---	0.325	---	---	---	1971
1972	---	---	---	---	0.180	0.218	0.584	0.803	0.312	0.374	---	---	0.378	1972
1973	---	---	---	---	0.180	0.288	0.527	0.637	0.358	0.329	---	---	0.384	1973
1974	---	---	---	---	0.002	0.334	0.550	0.672	0.569	0.371	0.030	---	0.450	1974
1975	---	---	---	---	0.008	0.438	0.518	0.772	0.283	0.344	---	---	0.381	1975
1976	---	---	---	---	0.178	0.714	0.642	0.701	0.381	0.190	---	---	0.450	1976
1977	---	---	---	---	0.348	0.858	0.724	0.826	0.328	0.185	---	---	0.532	1977
1978	---	---	---	---	0.148	0.373	0.353	0.290	0.220	0.338	---	---	0.270	1978
1979	---	---	---	---	0.028	0.583	0.638	0.738	0.224	0.181	---	---	0.445	1979
1980	---	---	---	---	0.353	0.598	0.808	0.884	0.281	0.184	---	---	0.483	1980
1981	---	---	---	---	0.062	0.862	0.935	0.708	0.488	0.470	---	---	0.585	1981
1982	---	---	---	---	0.120	0.892	0.945	0.889	0.278	0.255	---	---	0.530	1982
1983	---	---	---	---	0.083	0.841	0.724	0.841	0.417	0.148	---	---	0.476	1983
1984	---	---	---	---	0.047	0.899	0.842	0.514	0.234	0.142	---	---	0.412	1984
MEAN	---	---	---	---	0.080	0.611	0.571	0.544	0.293	0.258	0.030	---	0.380	MEAN

LOCATION - LAT 49 55 00 N
LONG 111 43 40 W REGULATED

BOW RIVER DEVELOPMENT DRAIN 7 NEAR HAYS - STATION NO 05AG005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	0.385 ON JUL 8	0 ON MAY 1 *	2 020	1958
1959	---	0.634 ON JUN 27	0 ON MAY 1	1 870	1959
1960	---	0.765 ON JUL 23	0 ON MAY 1	2 980	1960
1961	---	0.782 ON JUL 17	0 ON MAY 1	4 050	1961
1962	---	0.980 ON JUL 13	0 ON MAY 1	4 220	1962
1963	---	0.623 ON JUL 4	0 ON MAY 1	4 150	1963
1964	---	0.708 ON JUL 15	0 ON MAY 1	4 850	1964
1965	---	0.827 ON AUG 5	0 E ON MAY 5	3 540	1965
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	0.889 ON AUG 9	0 ON MAY 1	5 280	1968
1969	---	0.833 ON AUG 11	0 ON MAY 1	5 550	1969
1970	---	1.03 ON AUG 13	0 E ON MAY 1	7 690	1970
1971	---	---	---	---	1971
1972	---	1.38 ON MAY 25	0 ON MAY 17	5 010	1972
1973	---	0.988 ON AUG 21	0 ON MAY 1	5 100	1973
1974	---	1.21 ON AUG 4	0.001 ON MAY 5	7 140	1974
1975	---	1.02 ON JUN 20	0.003E ON MAY 1	6 210	1975
1976	---	1.01 ON JUN 15	0.001 ON MAY 1	7 160	1976
1977	---	1.18 ON AUG 8	0.017 ON MAY 1	8 460	1977
1978	---	0.793 ON OCT 12	0.028 ON MAY 1	4 300	1978
1979	---	1.23 ON JUN 23	0 ON MAY 1	7 090	1979
1980	---	1.30 ON AUG 4	0 ON MAY 1	7 880	1980
1981	---	1.42 ON JUL 21	0 ON MAY 1	8 830	1981
1982	---	1.14 ON AUG 10	0 ON MAY 15	8 420	1982
1983	---	1.35 ON JUN 19	0 ON MAY 1	7 570	1983
1984	---	1.48 ON JUN 23 *	0 ON MAY 1	6 550	1984
				5 730	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	0	0	0	0	2.32	1.17	2.92	---	0.782	1918
1919	---	---	---	1.34	2.85	4.63	5.38	8.98	8.38	5.41	0	---	4.78	1919
1920	---	---	---	0	0	0	2.02	7.37	8.38	8.55	2.04	---	3.58	1920
1921	---	---	---	0	1.11	4.61	9.94	8.97	9.54	10.4	0.218	---	5.36	1921
1922	---	---	---	0	0	1.68	4.71	5.77	5.62	5.78	1.47	---	3.17	1922
1923	---	---	---	0	0.662	0.335	3.81	5.57	4.78	0.561	0	---	1.88	1923
1924	---	---	---	0	1.14	3.20	4.77	5.40	5.18	1.57	0	---	2.88	1924
1925	---	---	---	0	0	0.034	0	0	0	0	0	---	0.004	1925
1926	---	---	---	1.33	4.85	5.23	6.23	7.37	0	0	0	---	3.15	1926
1927	---	---	---	0	0	0	0	0	0.319	4.37	0.850	---	0.712	1927
1928	---	---	---	0.887	4.60	4.58	0.815	0.289	4.82	5.25	0.228	---	2.84	1928
1929	---	---	---	1.02	4.98	0.573	4.34	7.33	8.81	6.85	1.63	---	4.23	1929
1930	---	---	---	4.73	7.05	6.27	6.67	6.28	6.24	3.20	0	---	5.07	1930
1931	---	---	---	3.09	6.63	6.63	6.62	6.54	6.85	6.62	3.43	---	5.62	1931
1932	---	---	---	0	1.15	5.72	6.64	6.63	6.84	2.85	0	---	3.74	1932
1933	---	---	---	0	0	3.68	3.81	7.45	7.70	4.42	0	---	3.40	1933
1934	---	---	---	3.46	6.81	7.14	6.81	7.45	7.62	7.62	5.72	---	6.62	1934
1935	---	---	---	0.110	5.44	6.61	6.43	3.26	6.46	0	0	---	3.81	1935
1936	---	---	---	0	0	0	6.34	6.01	6.58	7.61	0	---	3.83	1936
1937	---	---	---	0	3.43	6.16	6.97	6.94	6.80	7.60	2.80	---	5.65	1937
1938	---	---	---	0	0	3.31	6.44	0	0	7.67	3.78	---	2.02	1938
1939	---	---	---	1.80	6.67	6.61	7.45	6.47	3.67	4.67	6.62	---	5.19	1939
1940	---	---	---	0	1.16	6.68	7.33	5.72	0	3.88	0	---	3.13	1940
1941	---	---	---	0	0.286	6.67	10.0	10.6	10.4	8.34	1.78	---	6.14	1941
1942	---	---	---	0	0	1.63	6.68	6.48	6.98	6.12	0.800	---	3.67	1942
1943	---	---	---	0.883	5.58	6.28	6.54	6.87	7.67	6.12	0	---	5.02	1943
1944	---	---	---	0.483	7.60	9.69	7.38	6.61	8.10	2.12	0.572	---	5.56	1944
1945	---	---	---	0.883	5.41	6.28	6.54	6.94	7.67	6.12	0	---	5.00	1945
1946	---	---	---	0	0	0.685	3.37	6.98	10.7	10.6	4.88	---	4.82	1946
1947	---	---	---	1.38	1.15	6.61	6.62	6.10	1.43	0.830	0	---	3.58	1947
1948	---	---	---	0	0	0	2.18	4.38	6.08	6.63	0.888	---	2.49	1948
1949	---	---	---	0	1.91	7.75	6.28	7.81	10.7	10.6	3.88	---	6.34	1949
1950	---	---	---	0	0	6.88	6.13	6.24	3.72	0	0	---	3.38	1950
1951	---	---	---	0	0	0	0	0	0	0	0	---	0	1951
1952	---	---	---	0	0	0	0.207	0	0	0	0	---	0.026	1952
1953	---	---	---	0	0	0	1.42	6.55	2.70	6.85	11.0	---	3.79	1953
1954	---	---	---	8.28	17.0	30.6	30.7	9.91	0	0	0	---	11.6	1954
1955	---	---	---	0	0	0	4.24	22.4	11.4	0.010	0	---	4.78	1955
1956	---	---	---	0	0.087	0.662	22.1	2.16	0.003	0.087	0	---	3.18	1956
1957	---	---	---	0	0.088	13.3	25.0	28.2	4.70	0.008	0.001	---	8.10	1957
1958	---	---	---	0	0.013	0.820	19.4	22.1	21.3	2.82	0	---	6.33	1958
1959	---	---	---	0	0.006	2.11	13.8	23.9	22.9	0.067	0	---	7.84	1959
1960	---	---	---	0	0	0	15.3	15.8	30.8	21.8	0.003	---	10.5	1960
1961	---	---	---	0.001	8.11	33.6	35.5	36.9	24.5	0.239	0	---	17.1	1961
1962	---	---	---	0	2.78	21.0	34.5	30.1	7.49	2.28	0	---	12.3	1962
1963	---	---	---	0	7.48	36.3	32.9	8.88	7.75	8.41	0	---	12.0	1963
1964	---	---	---	0	0.031	26.3	31.0	30.4	36.3	14.4	0	---	17.8	1964
1965	---	---	---	0	0	12.7	2.63	17.1	16.0	0.041	0	---	8.05	1965
1966	---	---	---	0	0.598	1.23	5.71	27.0	27.2	3.72	0	---	8.20	1966
1967	---	---	---	0	0	0.478	5.84	22.8	11.9	0	0	---	5.14	1967
1968	---	---	---	0	0.010	9.89	30.3	16.8	31.6	16.3	0	---	13.7	1968
1969	---	---	---	0	1.37	21.3	5.98	8.80	21.7	11.7	0.002	---	8.83	1969
1970	---	---	---	0	0.263	13.6	28.2	23.8	24.1	10.3	0.002	---	12.2	1970
1971	---	---	---	0	0	12.1	26.5	26.0	28.3	24.3	0.037	---	15.1	1971
1972	---	---	---	0	0	0	0	0	0	0	0	---	0	1972
1973	---	---	---	0	4.85	28.1	31.7	31.3	20.9	15.6	0	---	16.6	1973
1974	---	---	---	0	16.2	24.6	28.4	29.7	28.7	1.74	0	---	16.5	1974
1975	---	---	---	0	7.88	22.1	16.4	24.7	15.5	0	0	---	10.6	1975
1976	---	---	---	0	8.76	26.4	27.5	25.9	26.4	26.5	3.20	---	16.6	1976
1977	---	---	---	11.5	21.2	30.6	15.7	20.1	24.4	28.1	6.56	---	20.2	1977
1978	---	---	---	2.46	20.2	8.11	26.6	27.2	9.72	0.026	0	---	12.2	1978
1979	---	---	---	0	13.0	29.0	30.4	26.6	31.3	4.76	0	---	15.6	1979
1980	---	---	---	0	26.4	32.5	29.1	27.7	25.8	5.26	0	---	16.4	1980
1981	---	---	---	0.560	28.3	26.9	26.7	32.8	29.5	18.4	0	---	21.0	1981
1982	---	---	---	0	14.8	29.7	29.3	28.1	26.8	8.71	0	---	17.7	1982
1983	---	---	---	0	16.6	26.0	34.6	30.0	24.0	23.6	1.46	---	20.3	1983
1984	---	---	---	4.37	22.0	33.5	28.6	29.2	29.0	21.7	0.152	---	21.1	1984
MEAN	---	---	---	0.888	4.84	10.4	13.1	13.7	12.1	8.89	1.05	---	7.86	MEAN

LOCATION - LAT 50 44 48 N
LONG 113 01 17 W REGULATED SINCE 1918

BOW RIVER DEVELOPMENT MAIN CANAL - STATION NO. 05AC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	4.96 ON NOV 21	0 ON APR 1 *	18 700	1918
1919	---	11.6 ON AUG 4	0 ON APR 1	101 000	1919
1920	---	9.57 ON OCT 24	0 ON APR 1	75 000	1920
1921	---	11.5 ON JUL 24	0 ON APR 1	113 000	1921
1922	---	6.46 ON AUG 7	0 ON APR 1	88 800	1922
1923	---	6.40 E ON AUG 7	0 ON APR 1	41 000	1923
1924	---	8.46 E ON AUG 6	0 ON APR 1	88 300	1924
1925	---	0.374 ON JUN 23	0 ON APR 1	88.8	1925
1926	---	7.59 ON AUG 5	0 ON APR 1	88 400	1926
1927	---	5.27 ON OCT 23	0 ON APR 1	15 000	1927
1928	---	7.18 ON MAY 24	0 ON APR 1	85 700	1928
1929	---	8.24 ON AUG 8	0 ON APR 1	89 100	1929
1930	---	7.53 ON MAY 20	0 ON APR 1	107 000	1930
1931	---	8.62 E ON JUL 1	3.09 E ON APR 1	123 000	1931
1932	---	8.94 E ON SEP 1	0 ON APR 1	78 800	1932
1933	---	7.70 E ON SEP 1	0 ON APR 1	71 800	1933
1934	---	7.82 E ON OCT 1	2.46 E ON APR 1	137 000	1934
1935	---	8.51 E ON JUN 1	0 ON OCT 1	82 800	1935
1936	---	8.58 E ON SEP 1	0 ON APR 1	80 400	1936
1937	---	8.50 E ON SEP 1	0 ON APR 1	117 000	1937
1938	---	8.44 E ON JUL 1	0 ON APR 1	81 500	1938
1939	---	8.67 E ON MAY 1	1.50 E ON APR 1	131 000	1939
1940	---	7.33 E ON JUL 1	0 ON APR 1	85 800	1940
1941	---	10.6 E ON AUG 1	0 ON APR 1	130 000	1941
1942	---	6.88 E ON SEP 1	0 ON APR 1	73 100	1942
1943	---	7.87 E ON SEP 1	0 ON NOV 1	108 000	1943
1944	---	8.85 E ON JUN 1	0.453E ON APR 1	118 000	1944
1945	---	7.87 E ON SEP 1	0 ON NOV 1	105 000	1945
1946	---	10.7 E ON SEP 1	0 ON APR 1	104 000	1946
1947	---	8.52 E ON JUL 1	0 ON NOV 1	74 800	1947
1948	---	8.63 E ON OCT 1	0 ON APR 1	82 800	1948
1949	---	11.9 ON SEP 21	0 ON APR 1	134 000	1949
1950	---	11.5 ON JUN 14	0 ON APR 1	71 300	1950
1951	---	0 ON APR 1	0 ON APR 1	0	1951
1952	---	0.210E ON JUL 5	0 ON APR 1	555	1952
1953	---	17.6 ON NOV 8	0 ON APR 1	78 900	1953
1954	---	38.5 ON JUN 18	0 ON APR 1	251 000	1954
1955	---	24.0 ON SEP 11	0 ON APR 1	101 000	1955
1956	---	32.5 ON JUL 12	0 ON APR 1	67 000	1956
1957	---	36.8 ON AUG 8	0 ON APR 1	192 000	1957
1958	---	25.9 ON JUL 14	0 ON APR 1	176 000	1958
1959	---	28.1 ON SEP 18	0 ON APR 1	165 000	1959
1960	---	32.8 ON OCT 5	0 ON APR 1	221 000	1960
1961	---	37.9 ON AUG 23	0 ON APR 1	361 000	1961
1962	---	36.7 ON JUL 8	0 ON APR 1	260 000	1962
1963	---	26.5 ON JUL 10	0 ON APR 1	252 000	1963
1964	---	39.4 ON SEP 4 *	0 ON APR 1	371 000	1964
1965	---	32.5 ON SEP 24	0 ON APR 1	126 000	1965
1966	---	26.3 ON AUG 31	0 ON APR 1	173 000	1966
1967	---	29.4 ON SEP 7	0 ON APR 1	106 000	1967
1968	---	32.5 ON SEP 10	0 ON APR 1	288 000	1968
1969	---	29.7 ON OCT 7	0 ON APR 1	188 000	1969
1970	---	26.0 ON JUL 22	0 ON APR 1	257 000	1970
1971	---	33.4 ON OCT 4	0 ON APR 1	318 000	1971
1972	---	0 ON APR 1	0 ON APR 1	0	1972
1973	---	34.0 ON JUN 30	0 E ON APR 1	353 000	1973
1974	---	30.6 ON JUL 30	0 ON APR 1	348 000	1974
1975	---	25.7 ON AUG 22	0 ON APR 1	239 000	1975
1976	---	30.6 ON OCT 14	0 ON APR 1	388 000	1976
1977	---	34.3 ON NOV 5	0 ON APR 1	428 000	1977
1978	---	30.3 ON JUL 7	0 ON APR 1	268 000	1978
1979	---	32.0 ON JUN 14	0 ON APR 1	328 000	1979
1980	---	37.1 ON MAY 21	0 ON APR 1	388 000	1980
1981	---	36.1 ON JUL 8	0 ON APR 1	443 000	1981
1982	---	31.8 ON JUN 28	0 E ON APR 1	374 000	1982
1983	---	36.0 ON JUL 5	0 ON APR 1	428 000	1983
1984	---	38.5 ON JUN 8	0 ON APR 1	445 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		188 000	MEAN

E - ESTIMATED

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO. 05AC902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	6.13	24.0	35.8	19.6	20.2	6.02	---	---	18.8	1981
1982	---	---	---	---	6.81	23.8	34.1	20.8	12.0	5.66	---	---	17.1	1982
1983	---	---	---	---	7.03	27.7	27.6	18.7	18.3	3.30	---	---	18.8	1983
1984	---	---	---	---	12.2	33.4	44.3	18.8	8.61	1.29	---	---	19.4	1984
MEAN	---	---	---	---	7.82	29.7	35.4	19.8	13.8	4.82	---	---	18.8	MEAN

LOCATION - LAT 50 09 25 N
LONG 112 32 00 W
REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT MAIN CANAL AT DROP NO. 3 - STATION NO. 05AC902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	45.6 ON JUL 13	0 ON OCT 23 *	301 000	1981
1982	---	45.6 ON JUL 27	0 ON MAY 1	271 000	1982
1983	---	46.7 ON JUN 22	0 ON MAY 1	294 000	1983
1984	50.1 AT 10:45 MST ON JUL 24 *	49.0 ON JUL 12 *	0 ON MAY 1	308 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		294 000	MEAN

BOW RIVER DEVELOPMENT MAIN CANAL BELOW LITTLE BOW RESERVOIR - STATION NO. 05AC027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	11.0	41.0	20.3	7.07	7.29	---	---	---	1978
1979	---	---	---	---	1.19	24.8	45.4	21.8	11.8	7.43	---	---	---	1979
MEAN	---	---	---	---	1.19	17.9	43.2	21.1	9.44	7.36	---	---	---	MEAN

LOCATION - LAT 50 12 00 N
LONG 112 37 30 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

BOW RIVER DEVELOPMENT MAIN CANAL BELOW LITTLE BOW RESERVOIR - STATION NO. 05AC027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---		---	1978
1979	---	---	0 ON OCT 24 *	---	1979
			0 ON MAY 1		
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.001	0.267	0.154	0.033	0.019	0.087	---	---	0.088	1959
1960	---	---	---	---	0	0.247	0.462	0.072	0.135	0.133	---	---	0.178	1960
1961	---	---	---	---	0.075	0.676	0.322	0.076	0.089	0.188	---	---	0.240	1961
1962	---	---	---	---	0.140	0.422	0.410	0.071	0.120	0.338	---	---	0.250	1962
1963	---	---	---	---	0.254	0.550	0.078	0.153	0.145	0.324	---	---	0.251	1963
1964	---	---	---	---	0.003	0.359	0.342	0.203	0.055	0.292	---	---	0.209	1964
1965	---	---	---	---	0	0.125	0.073	0.091	0.001	0.058	---	---	0.058	1965
1966	---	---	---	---	0.020	0.158	0.180	0.095	0.029	0.088	---	---	0.095	1966
1967	---	---	---	---	0	0.017	0.269	0.176	0.117	0.300	---	---	0.147	1967
1968	---	---	---	---	0.078	0.305	0.351	0.118	0.100	0.107	---	---	0.178	1968
1969	---	---	---	---	0.084	0.291	0.097	0.228	0.184	0.315	---	---	0.189	1969
1970	---	---	---	---	0.055	0.401	0.157	0.260	0.128	0.138	---	---	0.189	1970
1971	---	---	---	---	0.003	0.347	0.279	0.215	0.188	0.315	---	---	0.224	1971
1972	---	---	---	---	0.003	0.467	0.329	0.227	0.217	0.303	---	---	0.255	1972
1973	---	---	---	---	0.231	0.383	0.540	0.345	0.188	0.240	---	---	0.321	1973
1974	---	---	---	---	0	0.252	0.427	0.298	0.157	0.391	---	---	0.255	1974
1975	---	---	---	---	0	0.003	0.548	0.317	0.087	0.133	---	---	0.184	1975
1976	---	---	---	---	0.088	0.585	0.555	0.098	0.338	0.347	---	---	0.383	1976
1977	---	---	---	---	0.079	---	---	---	---	---	---	---	---	1977
1981	---	---	---	---	0.008	0.526	0.795R	0.253R	0.330	0.310	---	---	0.388R	1981
1982	---	---	---	---	0.048	0.674	0.743	0.213	0.039	0.015	---	---	0.288	1982
1983	---	---	---	---	0.087	1.00	0.767	0.215	0.380	0.020	---	---	0.409	1983
1984	---	---	---	---	0.194	0.582	1.28	0.251	0.052	0.015	---	---	0.458	1984
MEAN	---	---	---	---	0.083	0.428	0.417R	0.182R	0.142	0.202	---	---	0.238	MEAN

LOCATION - LAT 50 11 30 N
LONG 112 36 00 W REGULATED

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

R - REVISED SINCE JAN 1980

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A NEAR HEADGATE - STATION NO. 05AC013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.634 ON JUN 17	0 ON MAY 1 *	1 620	1959
1960	---	0.934 ON JUL 15	0E ON MAY 1	2 830	1960
1961	---	0.934 ON JUN 19	0 ON MAY 1	3 810	1961
1962	---	0.867 ON OCT 11	0 ON MAY 1	3 970	1962
1963	---	1.03 ON JUN 9	0 ON MAY 1	3 990	1963
1964	---	0.773 ON OCT 15	0 ON MAY 1	3 320	1964
1965	---	0.377 ON JUL 30	0 ON MAY 1	920	1965
1966	---	0.357 ON JUL 1	0 ON MAY 1	1 610	1966
1967	---	0.586 ON JUL 24	0 ON MAY 1	2 340	1967
1968	---	0.687 ON JUL 24	0 ON MAY 1	2 780	1968
1969	---	0.695 ON OCT 14	0 ON MAY 1	3 170	1969
1970	---	0.695 ON JUN 10	0 ON MAY 1	3 010	1970
1971	---	0.716 ON OCT 10	0 ON MAY 1	3 580	1971
1972	---	0.810 ON JUN 10	0 ON MAY 1	4 080	1972
1973	---	1.28 ON JUL 28	0 ON MAY 1	5 110	1973
1974	---	0.824 ON OCT 18	0 ON MAY 1	4 050	1974
1975	---	1.05 ON JUL 27	0 ON MAY 1	2 930	1975
1976	---	1.08 ON JUN 5	0 ON MAY 1	5 090	1976
1977	---	---	0 ON MAY 1	---	1977
1981	---	1.44 ON JUL 27	0 ON MAY 1	6 140R	1981
1982	---	1.39 ON JUL 22	0 ON MAY 1	4 570	1982
1983	---	1.35 ON JUN 21	0 ON MAY 1	8 490	1983
1984	1.80 AT 10:10 MST ON JUL 20 *	1.58 ON JUL 21 *	0 ON MAY 1	7 290	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 780R	MEAN
	E - ESTIMATED	R - REVISED SINCE JAN 1980			

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A2 NEAR HEADGATE - STATION NO. 05AC014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.001	0	0.001	0.003	0.002	0.001	---	---	0.001	1959
1960	---	---	---	---	0	0.014	0.020	0.003	0.010	0.005	---	---	0.009	1960
1961	---	---	---	---	0.001	0.073	0.027	0	0	0.038	---	---	0.033	1961
1962	---	---	---	---	0.002	0.070	0.068	0	0.050	0.073	---	---	0.044	1962
1963	---	---	---	---	0.025	0.087	0.002	0.022	0.030	0.058	---	---	0.037	1963
1964	---	---	---	---	0	0.081	0.041	0.010	0	0.073	---	---	0.031	1964
1965	---	---	---	---	0	0.037	0	0	0	0	---	---	0.006	1965
1966	---	---	---	---	0.001	0.036	0	0	0	0.037	---	---	0.012	1966
1967	---	---	---	---	0	0.003	0.037	0.018	0.018	0.034	---	---	0.018	1967
1968	---	---	---	---	0	0	0.023	0.001	0	0.018	---	---	0.007	1968
1969	---	---	---	---	0.001	0	0.008	0.012	0	0.071	---	---	0.018	1969
1970	---	---	---	---	0	0.018	0.012	0.023	0.042	0.028	---	---	0.020	1970
1971	---	---	---	---	0	0.005	0.048	0.008	0.001	0.010	---	---	0.012	1971
1972	---	---	---	---	0	0.018	0.025	0.034	0	0.020	---	---	0.018	1972
1973	---	---	---	---	0.004	0.027	0.053	0.049	0	0.010	---	---	0.024	1973
1974	---	---	---	---	0	0.048	0.094	0.014	0.015	0.042	---	---	0.035	1974
1975	---	---	---	---	0	0.002	0.133	0.043	0.023	0.018	---	---	0.038	1975
1976	---	---	---	---	0.077	0.172	0.233	0.035	0.070	0.087	---	---	0.114	1976
MEAN	---	---	---	---	0.006	0.037	0.048	0.015	0.015	0.035	---	---	0.025	MEAN

LOCATION - LAT 50 11 10 N
LONG 112 34 20 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL A2 NEAR HEADGATE - STATION NO. 05AC014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.020 ON AUG 12	0 ON MAY 1 *	20.7	1959
1960	---	0.0678 ON JUN 24	0E ON MAY 1	139	1960
1961	---	0.158 ON JUN 20	0 ON MAY 1	381	1961
1962	---	0.178 ON JUL 5	0 ON MAY 1	594	1962
1963	---	0.180 ON JUN 17	0E ON MAY 1	590	1963
1964	---	0.248 ON OCT 12	0 ON MAY 1	492	1964
1965	---	0.118 ON JUN 10	0 ON MAY 1	87.5	1965
1966	---	0.133 ON OCT 19	0 ON MAY 1	198	1966
1967	---	0.083 ON JUL 18	0 ON MAY 1	295	1967
1968	---	0.102 ON JUL 27	0 ON MAY 1	117	1968
1969	---	0.186 ON OCT 5	0 ON MAY 1	243	1969
1970	---	0.085 ON JUN 10	0 ON MAY 1	315	1970
1971	---	0.068 ON JUL 24	0 ON MAY 1	194	1971
1972	---	0.068 ON JUL 1	0 ON MAY 1	257	1972
1973	---	0.190 ON AUG 5	0 ON MAY 1	381	1973
1974	---	0.173 ON JUL 19	0 ON MAY 1	559	1974
1975	---	0.288 ON JUL 20	0 ON MAY 1	577	1975
1976	---	0.334 ON MAY 28 *	0 ON MAY 1	1 810	1976
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		498	MEAN
	E - ESTIMATED				

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL B NEAR HEADGATE - STATION NO. 05AC015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.082	0.156	0.311	0.076	0.018	0.081	---	---	0.104	1959
1960	---	---	---	---	0.085	0.276	0.800	0.111	0.101	0.188	---	---	0.280	1960
1961	---	---	---	---	0.055	0.807	0.583	0.130	0.337	0.455	---	---	0.394	1961
1962	---	---	---	---	0.200	0.702	0.932	0.175	0.118	0.452	---	---	0.430	1962
1963	---	---	---	---	0.353	0.899	0.250	0.248	0.208	0.781	---	---	0.455	1963
1964	---	---	---	---	0.073	0.810	0.980	0.519	0.388	0.808	---	---	0.596	1964
1965	---	---	---	---	0	0.297	0.288	0.284	0.045	0.162	---	---	0.181	1965
1966	---	---	---	---	0.032	0.244	0.115	0.086	0.127	0.223	---	---	0.136	1966
1967	---	---	---	---	0	0.050	0.803	0.445	0.189	0.323	---	---	0.305	1967
1968	---	---	---	---	0.201	0.415	1.05	0.236	0.208	0.280	---	---	0.385	1968
1969	---	---	---	---	0.107	0.887	0.173	0.387	0.278	0.554	---	---	0.409	1969
1970	---	---	---	---	0.184	0.780	0.522	0.536	0.287	0.526	---	---	0.488	1970
1971	---	---	---	---	0.023	0.527	1.20	0.450	0.155	0.322	---	---	0.448	1971
1972	---	---	---	---	0.045	0.747	0.954	0.852	0.170	0.257	---	---	0.505	1972
1973	---	---	---	---	0.444	0.787	1.23	0.541	0.145	0.348	---	---	0.581	1973
1974	---	---	---	---	0.012	0.853	1.68	0.850	0.411	0.598	---	---	0.735	1974
1975	---	---	---	---	0	0.112	1.37	0.892	0.195	0.206	---	---	0.487	1975
1976	---	---	---	---	0.492	2.09	1.73	0.555	0.725	0.781	---	---	1.06	1976
1977	---	---	---	---	0.472	---	---	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.142	0.634	0.832	0.415	0.228	0.411	---	---	0.441	MEAN

LOCATION - LAT 50 09 20 N
LONG 112 29 50 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL B NEAR HEADGATE - STATION NO. 05AC015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.745 ON JUL 15	0 ON MAY 1 *	1 850	1959
1960	---	1.23 ON JUL 15	0 ON MAY 1	3 870	1960
1961	---	1.14 ON JUN 19	0 ON MAY 1	5 270	1961
1962	---	1.72 ON JUL 9	0 ON MAY 1	5 840	1962
1963	---	1.72 ON JUN 21	0 ON OCT 24	7 230	1963
1964	---	1.63 ON OCT 13	0 ON MAY 1	8 480	1964
1965	---	1.05 ON AUG 4	0 ON MAY 1	2 880	1965
1966	---	0.530 ON JUN 23	0E ON MAY 1	2 190	1966
1967	---	1.83 ON JUL 25	0 ON MAY 1	4 850	1967
1968	---	1.65 ON JUL 16	0 ON OCT 22	6 290	1968
1969	---	1.32 ON JUN 18	0 ON MAY 1	6 810	1969
1970	---	1.74 ON JUN 10	0 ON MAY 1	7 780	1970
1971	---	1.45 ON JUL 18	0 ON MAY 1	7 120	1971
1972	---	1.81 ON AUG 5	0 ON MAY 1	8 030	1972
1973	---	1.52 ON JUL 25	0 ON MAY 1	9 230	1973
1974	---	2.01 ON JUL 29	0 ON MAY 1	11 700	1974
1975	---	2.09 ON JUL 29	0 ON MAY 1	7 420	1975
1976	---	2.30 ON JUN 15 *	0 ON MAY 1	18 800	1976
1977	---	---	---	---	1977
				7 010	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL C NEAR HEADGATE - STATION NO. 05AC016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0	0.190	0.096	0.053	0.042	0.090	---	---	0.071	1959
1960	---	---	---	---	0	0.185	0.369	0.018	0.082	0.117	---	---	0.135	1960
1961	---	---	---	---	0.034	0.567	0.371	0.145	0.158	0.200	---	---	0.246	1961
1962	---	---	---	---	0.326	0.492	0.713	0.098	0.143	0.336	---	---	0.351	1962
1963	---	---	---	---	0.193	0.527	0.108	0.186	0.089	0.370	---	---	0.238	1963
1964	---	---	---	---	0.057	0.403	0.588	0.322	0.091	0.343	---	---	0.301	1964
1965	---	---	---	---	0	0.178	0.180	0.088	0.042	0.020	---	---	0.078	1965
1966	---	---	---	---	0.029	0.155	0.074	0.025	0.105	0.163	---	---	0.092	1966
1967	---	---	---	---	0	0.018	0.497	0.228	0.182	0.411	---	---	0.224	1967
1968	---	---	---	---	0.080	0.188	0.571	0.080	0.141	0.134	---	---	0.188	1968
1969	---	---	---	---	0.042	0.340	0.042	0.334	0.187	0.184	---	---	0.179	1969
1970	---	---	---	---	0.201	0.588	0.187	0.347	0.092	0.187	---	---	0.274	1970
1971	---	---	---	---	0.020	0.302	0.443	0.195	0.142	0.238	---	---	0.217	1971
1972	---	---	---	---	0.049	0.398	0.508	0.213	0.045	0.072	---	---	0.214	1972
1973	---	---	---	---	0.335	0.388	0.602	0.295	0.105	0.124	---	---	0.309	1973
1974	---	---	---	---	0	0.584	0.704	0.418	0.164	0.225	---	---	0.348	1974
1975	---	---	---	---	0	0.083	0.631	0.220	0.108	0.181	---	---	0.201	1975
1976	---	---	---	---	0.281	0.821	0.673	0.127	0.267	0.228	---	---	0.393	1976
1977	---	---	---	---	0.288	---	---	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.100	0.380	0.405	0.185	0.117	0.187	---	---	0.226	MEAN

LOCATION - LAT 50 07 40 N
LONG 112 24 40 W REGULATED

BOW RIVER DEVELOPMENT WESTERN BLOCK LATERAL C NEAR HEADGATE - STATION NO. 05AC018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	0.394 ON JUN 19	0 ON MAY 1 *	1 130	1959
1960	---	0.527 ON JUL 18	0E ON MAY 1	1 990	1960
1961	---	0.728 ON JUN 16	0 ON MAY 1	3 940	1961
1962	---	1.06 ON MAY 31	0 ON MAY 1	5 590	1962
1963	---	1.05 ON JUN 20	0 ON JUN 24	3 790	1963
1964	---	0.790 ON JUL 23	0 ON MAY 1	4 760	1964
1965	---	0.507 ON JUN 15	0 ON MAY 1	1 260	1965
1966	---	0.385 ON JUN 3	0 ON MAY 1	1 480	1966
1967	---	1.01 ON JUL 22	0 ON MAY 1	3 560	1967
1968	---	0.892 ON JUL 21	0 ON MAY 1	3 170	1968
1969	---	0.711 ON AUG 12	0 ON MAY 1	2 840	1969
1970	---	3.37 ON JUN 7 *	0 ON MAY 1	4 380	1970
1971	---	0.739 ON JUL 22	0 ON MAY 1	3 450	1971
1972	---	0.807 ON JUN 8	0 ON MAY 1	3 400	1972
1973	---	0.940 ON MAY 28	0 ON MAY 1	4 920	1973
1974	---	1.06 ON JUN 16	0 ON MAY 1	5 490	1974
1975	---	1.01 ON JUL 23	0 ON MAY 1	3 200	1975
1976	---	0.977 ON JUN 6	0 ON MAY 1	6 250	1976
1977	---	---	0 ON MAY 1	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 590	MEAN

E - ESTIMATED

BOW RIVER NEAR COCHRANE - STATION NO. 05BH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	441	---	---	---	---	---	---	---	1918
MEAN	---	---	---	---	---	441	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 10 22 N, LONG 114 28 00 W. DRAINAGE AREA, 7 580 km^2. REGULATED

BOW RIVER NEAR KANANASKIS - STATION NO. 05BE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	17.8	62.3	155	174	168	93.2	61.1	35.7	18.6	---	1912
1913	19.9	19.2	23.7	36.4	72.1	250	157	143	95.8	57.4	42.7	30.6	79.9	1913
1914	24.3	18.3	19.0	22.9	73.2	196	197	99.9	60.5	51.2	34.5	18.3	69.1	1914
1915	18.5	22.7	23.4	31.0	72.8	154	228	145	71.9	52.5	39.5	33.1	74.8	1915
1916	22.6	27.7	30.1	37.5	62.2	261	301	140	99.1	66.5	46.1	34.8	92.4	1916
1917	25.9	17.8	16.0	19.0	74.2	183	205	111	73.3	50.1	28.5	24.7	69.2	1917
1918	28.9	17.0	17.4	22.9	62.9	233	146	104	70.7	46.6	30.9	30.7	67.5	1918
1919	31.6	21.4	19.9	23.3	84.6	153	123	115	66.6	37.4	28.3	21.5	61.6	1919
1920	17.8	20.7	15.7	15.3	34.8	131	307	127	65.5	48.1	33.8	28.4	70.4	1920
1921	25.8	20.2	19.3	24.4	64.9	234	173	101	48.4	37.7	32.3	24.9	69.0	1921
1922	20.3	16.9	19.2	21.7	67.2	209	148	110	67.1	40.0	27.7	23.4	63.7	1922
MEAN	23.4	20.2	20.4	24.7	68.3	195	196	124	73.8	49.7	34.3	26.9	71.8	MEAN

LOCATION - LAT 51 05 20 N, LONG 115 05 20 W. DRAINAGE AREA, 4 180 km^2. REGULATED

BOW RIVER NEAR KANANASKIS - STATION NO. 05BE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	235 ON JUL 14	---	---	1912
1913	---	317 ON JUN 13	16.10 ON FEB 22	2 520 000	1913
1914	---	294 ON JUN 18	11.90 ON DEC 15	2 180 000	1914
1915	---	391 ON JUN 28	14.20 ON JAN 27	2 360 000	1915
1916	---	600 ON JUN 21 *	21.50 ON JAN 3	2 920 000	1916
1917	---	280 ON JUL 5	13.30 ON FEB 20	2 160 000	1917
1918	---	382 ON JUN 18	13.60 ON MAR 1	2 130 000	1918
1919	---	297 ON JUN 23	16.90 ON DEC 31	1 940 000	1919
1920	---	371 ON JUL 13	11.00 ON MAR 6 *	2 320 000	1920
1921	---	306 ON JUN 28	13.60 ON FEB 19	2 160 000	1921
1922	---	309 ON JUN 5	13.50 ON FEB 10	2 010 000	1922
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 260 000	MEAN

BOW RIVER NEAR MORLEY - STATION NO. 05BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	270	223	137	79.2	71.1	43.0	31.5	---	1910
1911	---	17.4	19.5	23.4	83.1	286	228	183	99.2	82.1	---	---	---	1911
MEAN	---	17.4	19.5	23.4	83.1	278	226	160	89.2	81.6	43.0	31.5	---	MEAN

LOCATION - LAT 51 10 20 N DRAINAGE AREA, 5 380 km²
LONG 114 51 00 W REGULATED

BOW RIVER NEAR MORLEY - STATION NO. 05BE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	371 ON JUN 18	---	---	1910
1911	---	382 ON JUN 26 *	9.63 ON APR 13 *	---	1911
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	23.8	21.3	19.7	23.4	77.3	387	214	140	81.3	49.1	31.1	26.5	90.6	1923
1924	26.0	27.3	26.2	26.0	111	178	194	148	79.2	46.2	32.8	27.9	77.1	1924
1925	27.6	26.8	25.8	39.1	180	254	192	148	95.8	81.9	41.4	31.6	92.3	1925
1926	27.7	30.3	26.2	38.4	71.8	118	158	94.0	118	72.1	46.3	34.3	68.6	1926
1927	28.3	27.4	27.0	30.6	80.3	295	245	181	123	81.0	54.3	39.6	88.0	1927
1928	40.4	34.2	32.0	32.0	180	338	295	132	75.6	43.8	32.8	25.0	105	1928
1929	21.7	22.8	25.4	22.0	82.8	263	129	101	82.8	39.8	33.8	26.3	86.6	1929
1930	15.8	18.4	18.0	28.8	88.0	288	213	125	78.4	41.3	28.4	27.1	78.8	1930
1931	30.0	24.0	19.0	18.8	73.7	194	154	102	78.4	40.8	28.8	27.5	68.5	1931
1932	21.1	26.6	23.4	26.0	88.2	413	184	131	86.6	48.2	35.6	29.0	93.6	1932
1933	26.1	23.3	26.5	32.5	86.8	302	240	127	85.3	48.8	38.2	28.8	89.0	1933
1934	29.8	26.8	26.8	68.8	194	214	161	104	89.6	46.7	34.8	28.8	82.0	1934
1935	23.0	22.7	26.7	31.7	81.6	227	231	135	88.3	40.0	31.6	27.0	78.6	1935
1936	27.8	26.0	23.4	25.7	108	193	132	81.6	64.0	34.4	28.7	25.7	64.0	1936
1937	27.4	27.3	17.1	18.6	67.6	170	188	110	71.6	49.2	43.1	28.6	66.6	1937
1938	26.8	26.1	26.4	26.1	109	326	213	88.2	80.2	48.0	30.1	34.6	86.6	1938
1939	28.2	26.4	27.0	23.1	95.3	146	188	103	68.1	46.8	41.6	30.4	89.2	1939
1940	34.8	33.8	26.8	26.4	113	173	136	92.2	91.0	48.6	34.7	29.9	79.6	1940
1941	22.8	21.0	18.6	23.4	83.3	137	113	82.2	86.6	44.9	29.9	23.8	64.6	1941
1942	22.6	24.7	18.8	18.9	102	186	184	117	71.1	47.8	38.7	48.8	74.4	1942
1943	40.7	46.7	44.4	42.6	84.6	142	238	108	88.6	50.2	48.2	46.7	78.0	1943
1944	42.4	43.0	40.6	31.6	74.3	158	102	105	88.0	46.8	45.6	44.6	86.8	1944
1945	43.7	39.2	35.6	28.4	88.0	191	181	90.4	82.6	47.1	47.7	46.8	71.3	1945
1946	46.3	47.3	41.4	43.2	121	219	152	98.4	86.2	57.6	51.6	51.2	84.9	1946
1947	51.3	48.7	46.0	50.8	140	245	173	91.8	81.0	76.0	58.4	51.8	93.0	1947
1948	46.8	46.2	46.3	47.0	158	266	181	143	81.3	51.8	45.2	46.1	97.0	1948
1949	45.7	41.8	37.1	38.7	88.6	124	92.8	82.2	67.2	37.4	37.3	37.4	80.8	1949
1950	36.4	28.0	24.7	26.2	40.3	201	178	91.8	83.8	54.1	52.6	51.2	71.0	1950
1951	47.6	44.6	53.4	56.8	121	183	267	132	104	77.6	60.8	64.8	102	1951
1952	58.7	46.6	49.7	62.2	111	169	180	113	88.0	66.4	52.3	52.0	83.6	1952
1953	53.7	52.6	46.6	47.4	81.6	203	182	104	74.4	58.2	62.4	56.6	68.6	1953
1954	58.4	48.0	48.6	54.4	86.1	188	240	155	120	72.8	65.1	63.4	102	1954
1955	58.8	57.1	55.6	57.6	58.6	166	163	85.6	82.6	67.2	60.6	58.6	78.3	1955
1956	63.8	60.1	56.6	60.1	111	198	148	84.8	88.2	58.7	48.6	48.0	84.4	1956
1957	46.4	48.6	50.3	44.7	126	148	103	74.6	81.6	67.7	64.6	60.0	71.4	1957
1958	56.1	67.3	58.2	67.2	117	159	132	86.2	81.6	60.2	62.6	63.1	81.1	1958
1959	63.8	66.0	58.6	63.0	88.3	163	167	89.8	71.4	63.7	62.6	68.3	78.7	1959
1960	63.4	64.6	67.0	66.8	66.7	182	182	86.2	81.6	61.7	62.1	64.2	75.2	1960
1961	46.2	62.6	67.4	61.0	114	266	129	116	72.4	66.6	64.8	72.2	88.8	1961
1962	68.0	67.7	70.8	66.4	86.2	181	137	106	74.0	---	---	---	---	1962
1979	66.6	66.6	69.1	46.4	62.2	126	106	84.0	86.8	38.3	38.8	38.2	84.6	1979
1980	38.3	39.4	38.7	36.8	136	188	103	80.8	81.8	64.9	48.6	64.6	74.0	1980
1981	60.3	66.0	46.6	46.2	141	189	236	182	90.0	60.1	60.8	47.7	100	1981
1982	61.6	46.1	38.3	42.2	80.0	186	148	86.3	86.0	62.1	63.0	64.7	73.6	1982
1983	66.3	61.1	49.4	42.6	70.3	136	123	89.7	87.6	47.8	46.1	41.7	69.2	1983
1984	60.3	66.2	63.6	61.2	61.6	142	132	84.6	78.1	63.6	67.7	63.2	67.7	1984
MEAN	41.3	39.9	38.6	37.9	86.2	206	170	110	78.2	62.6	44.6	42.3	78.6	MEAN

LOCATION - LAT 51 07 10 N DRAINAGE AREA, 6 170 km²
LONG 115 02 00 W REGULATED SINCE 1911

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

REMARKS - UNPUBLISHED WATER LEVELS ARE AVAILABLE FROM REGIONAL OFFICE

BOW RIVER NEAR SEEBE - STATION NO. 05BE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	857 AT 11:00 MST ON JUN 15	693 ON JUN 15	15.9 ON MAR 18	2 850 000	1923
1924	337 AT 21:00 MST ON JUL 5	334 ON JUL 5	15.4 B ON DEC 17	2 440 000	1924
1925	352 AT 14:00 MST ON JUN 23	343 ON JUN 23	17.6 E ON MAR 15	2 910 000	1925
1926	274 AT 22:15 MST ON JUL 10	212 ON JUL 8	18.1 ON JAN 4	2 200 000	1926
1927	583 AT 12:00 MST ON JUN 27	411 ON JUN 11	17.6 ON MAR 27	3 080 000	1927
1928	515 AT 09:00 MST ON JUN 29	493 ON JUN 29	9.408 ON DEC 5	3 330 000	1928
1929	688 AT 01:00 MST ON JUN 3	555 ON JUN 3	9.48 ON APR 21	2 100 000	1929
1930	453 AT 11:00 MST ON JUN 9	374 ON JUN 9	10.5 B ON JAN 29	2 520 000	1930
1931	278 ON JUN 19	265 ON JUN 19	9.40 ON MAR 11	2 100 000	1931
1932	903 AT 17:00 MST ON JUN 3 *	762 ON JUN 3 *	13.2 B ON JAN 13	2 980 000	1932
1933	708 AT 14:00 MST ON JUN 17	583 ON JUN 18	18.3 ON JAN 17	2 810 000	1933
1934	430 AT 22:00 MST ON MAY 31	416 ON MAY 31	8.35 ON DEC 26	2 590 000	1934
1935	309 AT 18:00 MST ON JUN 1	289 ON JUN 17	15.3 ON FEB 8	2 480 000	1935
1936	343 AT 11:00 MST ON MAY 30	334 ON JUN 2	11.6 B ON DEC 6	2 020 000	1936
1937	306 AT 14:30 MST ON JUN 19	232 ON JUN 18	11.8 B ON MAR 20	2 100 000	1937
1938	453 AT 20:30 MST ON JUN 22	419 ON JUN 23	11.3 B ON JAN 30	2 740 000	1938
1939	326 AT 15:00 MST ON JUL 3	305 ON JUL 2	12.7 ON DEC 28	2 180 000	1939
1940	306 AT 07:30 MST ON MAY 27	280 ON MAY 26	10.3 ON DEC 15	2 230 000	1940
1941	278 AT 17:00 MST ON JUN 15	173 ON JUN 15	6.85 ON DEC 29 *	1 730 000	1941
1942	455 AT 10:00 MST ON JUN 9	289 ON JUN 9	10.8 ON JAN 2	2 350 000	1942
1943	388 AT 15:30 MST ON JUL 27	320 ON JUL 10	27.6 ON JAN 18	2 480 000	1943
1944	340 AT 09:00 MST ON JUL 7	315 ON JUN 13	23.0 ON APR 24	2 120 000	1944
1945	418 AT 09:00 MST ON MAY 31	374 ON JUN 22	20.4 ON APR 22	2 250 000	1945
1946	402 AT 10:00 MST ON MAY 28	323 ON MAY 29	30.9 ON NOV 18	2 680 000	1946
1947	413 AT 08:20 MST ON JUN 3	306 ON JUN 12	32.3 ON MAR 30	2 830 000	1947
1948	498 AT 08:45 MST ON MAY 25	419 ON MAY 24	32.8 ON DEC 26	3 070 000	1948
1949	248 AT 07:10 MST ON MAY 16	193 ON JUN 8	24.3 ON NOV 7	1 920 000	1949
1950	348 AT 12:00 MST ON JUN 22	343 ON JUN 22	11.0 ON APR 2	2 240 000	1950
1951	385 AT 11:00 MST ON JUL 7	331 ON JUL 7	30.6 ON FEB 11	3 220 000	1951
1952	283 AT 05:00 MST ON JUL 8	248 ON JUL 8	37.4 ON FEB 17	2 640 000	1952
1953	388 AT 12:30 MST ON JUN 13	354 ON JUN 14	23.1 ON APR 12	2 100 000	1953
1954	334 AT 21:30 MST ON JUN 18	323 ON JUL 9	31.7 ON APR 17	3 220 000	1954
1955	388 AT 15:00 MST ON JUN 24	281 ON JUN 24	29.2 ON MAY 8	2 410 000	1955
1956	411 AT 14:00 MST ON JUN 4	297 ON JUN 5	32.0 ON DEC 4	2 670 000	1956
1957	220 AT 15:00 MST ON JUN 5	203 ON MAY 21	24.5 ON APR 21	2 250 000	1957
1958	340 AT 08:00 MST ON JUN 11	215 ON JUN 11	29.7 ON APR 20	2 580 000	1958
1959	317 AT 11:00 MST ON JUN 23	249 ON JUN 24	27.1 ON MAR 3	2 480 000	1959
1960	258 AT 14:00 MST ON JUL 1	217 ON JUL 2	23.2 ON APR 3	2 380 000	1960
1961	411 AT 12:00 MST ON JUN 6	366 ON JUN 6	29.7 ON MAR 5	2 840 000	1961
1962	276 AT 12:00 MST ON JUN 27	250 ON JUN 27	25.6 ON MAY 13	---	1962
1978	---	166 ON MAY 28	18.7 ON NOV 3	2 040 000	1978
1980	---	265 ON JUN 19	13.6 ON NOV 13	2 340 000	1980
1981	378 ON MAY 28	343 ON MAY 27	34.8 ON APR 25	3 150 000	1981
1982	312 AT 11:00 MST ON JUN 17	267 ON JUN 23	25.4 ON MAY 16	2 330 000	1982
1983	245 AT 13:15 MST ON MAY 31	212 ON JUN 1	25.3 ON APR 23	2 180 000	1983
1984	---	255 ON JUL 1	22.1 ON OCT 29	2 140 000	1984
				2 510 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	35.5	16.9	63.4	72.6	84.7	---	1964
1965	55.8	50.7	80.8	173	107	309	389	158	133	135	103	74.7	146	1965
1966	76.7	68.5	110	123	146	302	229	98.7	72.2	70.4	75.1	74.8	120	1966
1967	70.8	70.4	86.8	175	185	591	223	96.8	62.6	51.8	54.2	54.5	144	1967
1968	72.5	82.8	78.5	81.7	50.3	181	117	73.4	83.5	82.3	54.4	44.5	82.8	1968
1969	61.8	60.9	73.6	165	317	298	367	105	83.5	83.1	60.2	39.4	139	1969
1970	45.7	53.8	82.7	83.8	108	281	126	55.0	25.8	57.0	62.8	47.5	82.1	1970
1971	51.5	55.5	84.8	144	157	284	93.4	71.8	30.9	39.7	55.0	30.5	86.9	1971
1972	45.6	48.5	86.6	89.7	181	378	248	143	100	80.4	80.2	51.0	127	1972
1973	53.8	64.4	103	89.7	132	247	131	49.7	37.2	46.5	59.3	83.1	89.7	1973
1974	59.8	73.2	71.1	138	208	364	184	96.3	56.6	61.9	61.6	62.3	117	1974
1975	59.2	66.7	84.4	124	134	221	185	80.7	45.1	54.5	72.8	46.0	92.2	1975
1976	63.4	74.6	82.4	80.9	131	111	122	179	95.1	56.5	52.9	40.7	91.0	1976
1977	39.1	60.6	73.3	69.3	24.1	55.6	28.5	80.5	42.7	33.0	26.1	37.6	44.0	1977
1978	56.8	73.7	122	84.1	128	257	138	78.7	90.6	90.6	57.2	66.2	104	1978
1979	60.3	67.0	118	98.7	112	91.8	41.1	28.8	21.8	28.0	46.5	30.8	81.8	1979
1980	43.8	48.0	51.4	111	127	280	69.3	48.7	31.3	86.7	81.6	60.8	79.5	1980
1981	77.4	74.0	74.8	78.4	232	302	253	177	80.0	20.0	88.7	37.1	121	1981
1982	48.6	58.7	80.2	86.2	68.9	178	148	35.6	29.3	43.8	51.0	60.1	72.7	1982
1983	66.8	68.0	80.0	85.0	78.4	107	84.1	36.8	23.0	16.5	48.8	25.7	57.8	1983
1984	57.1	70.3	81.4	63.2	18.2	68.7	80.8	31.3	18.2	10.3	39.5	42.6	43.8	1984
MEAN	58.2	64.2	79.8	108	135	243	159	81.7	54.2	58.1	60.1	50.2	95.0	MEAN

LOCATION - LAT 58 02 47 N
LONG 111 38 28 W
DRAINAGE AREA, 35 300 km^2
REGULATED SINCE 1911

BOW RIVER NEAR THE MOUTH - STATION NO. 05BN012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	521 AT 09:00 MST ON JUN 7	510 ON JUN 7	28.9 B ON JAN 1	3 800 000	1966
1967	1 270 AT 14:00 MST ON JUN 2 *	1 230 ON JUN 2 *	24.1 B ON NOV 21	4 540 000	1967
1968	---	251 ON JUN 17	11.6 ON MAY 5	2 610 000	1968
1969	1 070 AT 14:10 MST ON JUL 1	997 ON JUL 1	25.6 B ON DEC 12	4 260 000	1969
1970	750 AT 17:40 MST ON JUN 18	697 ON JUN 18	9.57 ON OCT 1	2 590 000	1970
1971	705 AT 04:00 MST ON JUN 9	668 ON JUN 9	14.8 ON SEP 28	2 800 000	1971
1972	---	501E ON JUN 12	25.5 B ON DEC 3	4 010 000	1972
1973	378 AT 10:20 MST ON MAY 29	368 ON JUN 28	15.3 ON SEP 30	2 630 000	1973
1974	592 AT 00:40 MST ON JUN 21	568 ON JUN 20	24.2 ON OCT 14	3 700 000	1974
1975	854 AT 10:50 MST ON JUN 22	555 ON JUN 22	23.5 ON SEP 18	2 810 000	1975
1976	459 AT 07:30 MST ON AUG 8	413 ON AUG 8	24.6 ON OCT 17	2 680 000	1976
1977	138 AT 09:30 MST ON AUG 18	136 ON JUN 13	3.28 ON MAY 4	1 390 000	1977
1978	385 AT 15:00 MST ON JUN 8	385 ON JUN 8	35.4 ON AUG 16	3 280 000	1978
1979	---	208 ON MAY 30	13.7 E ON OCT 27	1 850 000	1979
1980	494 AT 05:05 MST ON MAY 29	434 ON MAY 29	18.3 ON SEP 12	2 820 000	1980
1981	732 AT 06:00 MST ON MAY 26	716 ON MAY 26	12.8 ON MAY 5	3 830 000	1981
1982	322 AT 08:25 MST ON JUL 2	301 ON JUL 2	18.0 ON OCT 4	2 290 000	1982
1983	194 AT 11:35 MST ON JUN 2	184A ON JUN 2	8.45 ON OCT 31	1 820 000	1983
1984	170 AT 14:55 MST ON JUN 20	159 ON JUL 8	3.008 ON OCT 30 *	1 380 000	1984
				3 000 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	28.0	18.4	23.2	5.85	7.58	3.43	---	---	---	1962
1963	---	---	0	23.3	89.6	6.87	0.730	1.17	0.180	0.140	---	---	11.5	1963
1964	---	---	0.031	3.00	14.4	2.15	0.116	0.183	0.087	0.015	---	---	2.38	1964
1965	---	---	0	2.38	6.89	0.251	0.027	0.012	0.013	0.009	---	---	1.22	1965
1966	---	---	0.005	0.508	5.60	0.350	0.094	0.037	0.017	0.013	---	---	0.961	1966
1967	---	---	0.004	0.114	10.0	1.38	0.189	0.267	0.101	0.358	---	---	1.57	1967
1968	---	---	0.053	11.8	21.3	1.27	1.04	0.452	0.084	0.095	---	---	4.48	1968
1969	---	---	0.035	25.8	41.2	3.69	0.221	0.023	0.024	0.025	---	---	8.84	1969
1970	---	---	0.024	1.93	4.29	2.54	0.180	0.001	0.001	0.004	0.001	0	1.12	1970
1971	0	0	0	0.501	2.66	0.018	0	0	0.008	0.002	---	---	0.400	1971
1972	---	---	0.002	1.72	47.5	1.81	0.127	0.039	0.006	0.023	---	---	5.45	1972
1973	---	---	0.037	4.00	4.79	3.73	2.81	5.88	5.15	3.58	---	---	3.84	1973
1974	---	---	0.011	39.5	88.9	13.8	3.42	1.07	0.589	0.394	---	---	18.5	1974
1975	---	---	0.053	7.36	13.0	3.83	2.07	0.232	0.185	0.285	---	---	3.34	1975
1976	---	---	0.127	18.6	11.2	5.83	3.07	5.11	5.59	4.85	---	---	7.00	1976
1977	---	---	0.140	9.37	10.3	32.2	5.88	0.521	0.012	0.030	---	---	7.73	1977
1978	---	---	0.050	1.48	11.0	7.86	0.524	0.024	2.00	5.01	---	---	3.47	1978
1979	---	---	0.184	1.45	87.6	59.7	10.0	0.726	0.216	0.405	---	---	20.0	1979
1980	---	---	0.008	1.98	0.350	0.182	0.026	0.005	0.003	0.005	---	---	0.313	1980
1981	---	---	0.054	3.26	16.6	0.522	0.039	0.005	0.001	0.004	---	---	2.85	1981
1982	---	---	0.055	1.12	2.55	0.034	0.002	0.012	0.003	0.003	---	---	0.474	1982
1983	---	---	0.002	3.87	4.53	0.711	0.005	0.007	0.003	0.002	---	---	1.14	1983
1984	---	---	0	0.163	0.077	0.014	0.784	0.011	0.017	0.830	---	---	0.201	1984
MEAN	0	0	0.039	7.35	21.5	7.19	2.55	0.978	0.991	0.838	0.001	0	4.90	MEAN

LOCATION - LAT 58 28 42 N, LONG 115 18 10 W
DRAINAGE AREA, 8 880 km^2
NATURAL FLOW

BOYER RIVER NEAR FORT VERMILION - STATION NO. 07JF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	---	---	---	1962
1963	---	117 ON MAY 3	0 B ON MAR 1 *	244 000	1963
1964	---	21.2 ON MAY 7	0 ON OCT 20	80 300	1964
1965	---	17.6 ON APR 29	0 B ON MAR 1	35 700	1965
1966	---	13.6 ON MAY 13	0 B ON MAR 1	20 400	1966
1967	---	18.2 ON MAY 12	0.0039 ON MAR 1	33 300	1967
1968	---	51.5 ON MAY 5	0.017 ON SEP 30	85 100	1968
1969	78.9 A AT 20:15 MST ON MAY 2	78.6 A ON MAY 2	0.0038 ON OCT 28	187 000	1969
1970	12.1 AT 16:30 MST ON MAY 1	11.6 ON MAY 1	0 ON AUG 9	23 700	1970
1971	8.81 AT 13:30 MST ON MAY 1	8.44 ON MAY 1	0 B ON MAR 1	8 470	1971
1972	68.6 AT 11:30 MST ON MAY 10	68.3 ON MAY 10	0.0018 ON MAR 1	138 000	1972
1973	15.9 AT 02:00 MST ON AUG 26	15.6 ON AUG 26	0.0038 ON MAR 5	31 400	1973
1974	214 A AT 13:30 MST ON MAY 1 *	213 A ON MAY 2 *	0.0048 ON MAR 29	351 000	1974
1975	35.1 AT 20:30 MST ON MAY 1	34.5 ON MAY 1	0.0105 ON MAR 21	70 800	1975
1976	36.6 AT 17:20 MST ON APR 21	36.3 ON APR 22	0.0019 ON MAR 1	148 000	1976
1977	56.9 AT 04:50 MST ON JUN 15	56.3 ON JUN 15	0.005 ON SEP 12	194 000	1977
1978	23.5 AT 09:30 MST ON MAY 30	23.3 ON MAY 30	0.008 ON AUG 30	73 400	1978
1979	117 AT 22:00 MST ON MAY 19	117 ON MAY 19	0.031 ON SEP 6	438 000	1979
1980	5.41 AT 17:00 MST ON APR 28	4.58 ON APR 29	0 B ON MAR 1	6 820	1980
1981	38.4 AT 12:00 MST ON MAY 7	38.4 ON MAY 7	0 ON SEP 15	80 400	1981
1982	8.87 AT 22:00 MST ON MAY 8	8.29 ON MAY 10	0.001 ON JUL 15	10 000	1982
1983	18.3 B AT 22:00 MST ON APR 25	18.0 B ON APR 25	0.0018 ON MAR 21	24 000	1983
1984	3.14 AT 10:30 MST ON OCT 27	2.91 ON JUL 12	0 B ON MAR 1	4 280	1984
				104 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0	0.710	2.41	0.858	0.113	0.012	0.003	0.001	---	---	0.489	1979
1980	---	---	0	0.019	0.001	0	0	0	0	0	---	---	0.002	1980
1981	---	---	0	1.01	0.522	0	0	0	0	0	---	---	0.190	1981
1982	---	---	0	0.223	0.198	0	0	0	0	0	---	---	0.052	1982
1983	---	---	0	0.381	0.101	0.005	0.006	0.001	0	0	---	---	0.051	1983
1984	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1984
MEAN	---	---	0	0.391	0.539	0.111	0.020	0.002	0.001	0	---	---	0.132	MEAN

LOCATION - LAT 57 54 30 N DRAINAGE AREA, 94.3 km²
LONG 117 36 45 W NATURAL FLOW

BOYER RIVER NEAR PADDLE PRAIRIE - STATION NO. 07JF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	21.4 AT 06:00 MST ON MAY 1 *	18.9 ON MAY 1 *	0 ON MAR 1 *	10 400	1979
1980	0.133 AT 22:00 MST ON APR 18	0.097 ON APR 18	0 ON MAR 1	50.4	1980
1981	10.8 E AT 01:00 MST ON APR 27	8.43 A ON APR 27	0 ON MAR 1	4 020	1981
1982	1.76 AT 00:00 MST ON APR 28	1.55 ON APR 28	0 ON MAR 1	1 110	1982
1983	5.07 AT 15:00 MST ON APR 20	3.14 ON APR 21	0 ON MAR 1	1 290	1983
1984	0.022 AT 22 00 MST ON JUN 30	0.014 ON JUN 30	0 ON MAR 1	5.19	1984
				2 810	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	127	100	82.9	61.7	69.5	40.3	28.5	---	---	1957
1958	---	---	---	---	149	175	157	86.4	43.7	25.8	---	---	---	1958
1959	---	---	---	---	83.6	202	124	61.8	53.6	43.1	---	---	---	1959
1960	---	---	---	---	70.3	126	149	88.8	36.6	29.5	---	---	---	1960
1961	---	---	---	---	76.1	114	111	80.0	39.0	0.858	5.88	25.8	---	1961
1962	30.1	36.3	27.6	7.77	103	93.9	132	17.1	0.071	8.96	85.3	41.4	47.1	1962
1963	39.0	41.7	36.6	61.3	72.4	99.9	107	2.48	0.071	1.13	26.1	37.2	43.0	1963
1964	36.2	36.9	43.3	35.2	85.2	219	80.6	0.113	0.113	36.2	53.4	36.8	53.5	1964
1965	27.9	81.6	77.3	36.0	72.3	255	226	53.8	52.2	89.4	40.8	40.7	84.6	1965
1966	82.6	46.7	41.0	36.6	82.1	61.7	160	131	17.2	46.7	43.7	39.6	82.6	1966
1967	84.6	56.3	46.3	26.7	71.1	186	86.6	6.54	15.0	6.45	25.3	42.6	50.4	1967
1968	69.0	82.4	69.6	34.6	86.3	56.6	0.897	81.6	23.1	32.9	32.5	49.6	48.3	1968
1969	58.7	36.4	36.1	47.7	80.7	84.1	165	120	42.9	5.20	32.4	49.9	80.6	1969
1970	46.6	44.9	36.6	22.0	59.6	86.2	86.2	17.0	6.53	9.04	36.2	49.9	43.9	1970
1971	36.9	22.6	29.0	12.1	12.6	148	140	69.7	10.1	26.7	40.3	41.6	49.2	1971
1972	46.6	42.2	41.9	27.2	32.1	144	161	96.1	66.1	79.6	52.2	39.3	66.6	1972
1973	31.2	66.2	32.9	36.6	106	60.3	69.6	66.9	17.6	31.1	66.6	26.2	60.6	1973
1974	36.9	37.6	23.6	36.0	74.2	112	106	66.6	47.9	36.6	30.2	37.0	53.0	1974
1975	66.1	32.9	6.09	39.2	36.6	46.3	37.6	46.7	31.3	3.05	26.9	46.6	32.6	1975
1976	43.3	26.9	21.6	19.6	66.6	69.3	29.6	61.6	52.9	26.6	27.3	27.3	39.3	1976
1977	40.6	23.0	2.86	27.0	47.0	127	61.3	107	71.6	46.6	29.6	61.1	66.6	1977
1978	43.6	26.2	11.0	9.66	66.2	167	165	70.2	66.6	43.6	62.6	61.3	66.1	1978
1979	46.9	27.6	16.7	26.0	66.2	36.3	66.6	37.9	26.0	9.33	32.2	36.3	33.6	1979
1980	30.2	36.0	46.7	66.6	19.6	263	117	66.0	41.7	62.0	60.6	61.6	66.1	1980
1981	30.6	47.0	61.6	22.6	76.6	67.2	141	116	32.0	26.2	42.0	61.9	66.6	1981
1982	62.3	36.6	16.0	20.3	36.1	66.2	200	60.6	63.6	61.6	36.6	62.1	67.0	1982
1983	66.1	62.6	16.2	36.2	60.1	67.6	63.6	31.1	17.6	16.2	26.6	66.6	36.2	1983
1984	36.7	36.6	16.9	32.6	33.7	66.6	66.1	36.2	36.1	66.6	60.6	36.3	36.6	1984
MEAN	63.7	39.3	32.3	30.3	66.3	116	109	60.6	34.6	30.6	37.1	61.3	62.1	MEAN

LOCATION - LAT 62 64 66 N DRAINAGE AREA, 6 660 km² DATA CONTRIBUTED BY -
LONG 116 21 60 W REGULATED SINCE 1960 TRANSALTA UTILITIES CORPORATION

BRAZEAU RIVER BELOW BRAZEAU PLANT - STATION NO. 05DD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	289 AT 19:45 MST ON MAY 20	216 ON MAY 3	---	---	1957
1958	544 AT 05:00 MST ON JUN 29	504 ON JUN 28	---	---	1958
1959	493 AT 15:00 MST ON JUN 27	416 ON JUN 27	---	---	1959
1960	371 AT 05:30 MST ON JUL 2	337 ON JUL 2	---	---	1960
1961	385 AT 13:50 MST ON JUL 30	328 ON JUL 30	0.057 ON OCT 2	---	1961
1962	433 AT 12:00 MST ON JUN 7	314 ON JUL 12	0.028 ON AUG 6	1 490 000	1962
1963	385 AT 16:00 MST ON APR 29	254 ON APR 30	0 E ON AUG 3 *	1 380 000	1963
1964	535 AT 19:00 MST ON JUN 19	411 ON JUN 20	0.113 ON JUL 19	1 880 000	1964
1965	549 AT 16:00 MST ON JUN 29	496 ON JUN 29	0.142E ON AUG 18	2 670 000	1965
1966	680 AT 07:30 MST ON JUL 5 *	515 ON JUL 5 *	0.142E ON APR 29	1 880 000	1966
1967	309 AT 12:00 MST ON JUN 22	198 ON JUN 26	0.425 ON OCT 29	1 590 000	1967
1968	282 AT 17:00 MST ON AUG 19	199 ON SEP 10	0.227E ON JUL 11	1 630 000	1968
1969	345 AT 23:00 MST ON JUL 5	270 ON JUL 6	1.53 ON NOV 7	1 810 000	1969
1970	311 AT 14:00 MST ON DEC 4	234 ON DEC 4	0.738 ON SEP 11	1 380 000	1970
1971	---	287 ON JUN 10	0.906 ON AUG 28	1 550 000	1971
1972	---	513 ON JUN 27	1.13 ON JUN 8	2 160 000	1972
1973	---	209 ON MAY 8	0.963 ON SEP 15	1 590 000	1973
1974	317 AT 16:15 MST ON JUN 28	194 ON JUL 22	0.963 ON NOV 16	1 670 000	1974
1975	---	130 ON DEC 12	0.783 ON MAR 28	1 030 000	1975
1976	---	147 ON JAN 6	0.736 ON MAR 31	1 240 000	1976
1977	---	226 ON JUN 3	0.388 ON MAR 28	1 730 000	1977
1978	334 AT 05:00 MST ON JUL 12	309 ON JUL 12	0.425 ON APR 29	2 020 000	1978
1979	---	131 ON MAY 26	3.88 ON JUN 14	1 070 000	1979
1980	---	484 ON JUN 6	1.70 ON MAY 18	2 150 000	1980
1981	630 AT 18:15 MDT ON JUL 26	376 ON JUL 26	0.800 ON OCT 3	1 750 000	1981
1982	657 AT 13:40 MST ON JUL 10	527 ON JUL 6	0.752 ON MAR 13	1 800 000	1982
1983	---	140 ON JUL 7	0.829 ON OCT 5	1 240 000	1983
1984	---	137 ON JUN 19	0.915 ON JUN 3	1 220 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 840 000	MEAN

E - ESTIMATED

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	41.7	89.2	72.0	58.5	30.2	---	---	---	---	1961
1962	---	---	---	---	31.5	88.5	79.7	56.1	38.1	21.2	---	---	49.1	1962
1963	---	---	---	---	30.3	85.0	74.3	50.4	36.9	20.0	---	---	48.1	1963
1964	---	---	---	---	---	138	93.7	41.9	47.1	36.2	---	---	---	1964
1965	---	---	---	---	---	135	149	76.4	57.2	40.2	---	---	---	1965
1971	---	---	---	---	---	---	75.8	53.7	27.5	18.5	---	---	---	1971
1972	---	---	---	---	42.8	146	94.6	58.4	45.9	28.8	---	---	70.8	1972
1973	---	---	---	---	57.8	84.5	85.0	49.3	30.2	---	---	---	---	1973
1974	---	---	---	---	32.8	109	75.3	52.4	34.9	23.6	---	---	55.0	1974
1975	---	---	---	---	22.5	49.8	70.1	39.6	24.2	14.6	---	---	36.8	1975
1976	---	---	---	---	36.2	80.2	80.9	57.2	34.2	18.4	---	---	51.6	1976
1977	---	---	---	---	45.8	90.2	70.6	79.6	51.3	27.3	---	---	60.7	1977
1978	---	---	---	---	41.9	114	122	83.1	58.1	30.3	---	---	71.7	1978
1979	---	---	---	---	32.5	70.1	63.6	47.6	28.9	17.6	---	---	43.3	1979
1980	---	---	---	---	43.2	104	80.0	58.4	38.8	28.9	---	---	58.5	1980
1981	---	---	---	---	63.7	48.4	85.3	77.0	42.1	23.0	---	---	56.7	1981
1982	---	---	---	---	29.1	112	118	84.8	38.0	29.0	---	---	63.7	1982
1983	---	---	---	---	39.2	72.1	65.9	41.4	23.5	17.4	---	---	43.2	1983
1984	---	---	---	---	17.5	87.5	69.7	48.9	31.6	26.5	---	---	46.8	1984
MEAN	---	---	---	---	38.2	94.1	84.8	58.2	37.9	24.8	---	---	54.8	MEAN

LOCATION - LAT 52 52 50 N DRAINAGE AREA, 2 590 km^2
LONG 116 34 40 W NATURAL FLOW

BRAZEAU RIVER BELOW CARDINAL RIVER - STATION NO. 05DD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	183 ON JUN 8	---	---	1961
1962	---	127 ON JUN 28	12.2 ON MAY 7	781 000	1962
1963	---	134 ON JUL 18	14.1 E ON OCT 27	732 000	1963
1964	---	244 ON JUN 19	---	---	1964
1965	---	237 ON JUL 9	---	---	1965
1971	---	---	---	---	1971
1972	382 AT 17:00 MST ON JUN 25	351 ON JUN 25	14.7 ON MAY 9	1 130 000	1972
1973	261 AT 15:20 MST ON JUN 24	186 ON JUN 24	---	---	1973
1974	229 AT 03:50 MST ON JUN 17	210 ON JUN 17	20.8 E ON OCT 31	874 000	1974
1975	117 AT 19:00 MST ON JUL 13	106 ON JUL 14	10.9 B ON OCT 31	585 000	1975
1976	137 AT 03:00 MST ON AUG 7	129 ON AUG 7	12.9 ON OCT 31	820 000	1976
1977	182 AT 05:30 MST ON JUN 8	162 ON JUN 8	10.6 ON MAY 1	885 000	1977
1978	382 AT 23:00 MST ON JUL 11	283 ON JUL 12	24.7 ON OCT 30	1 140 000	1978
1979	163 AT 06:00 MST ON MAY 27	126 ON MAY 27	15.0 E ON OCT 31	689 000	1979
1980	886 AT 10:00 MST ON JUN 4 *	546 ON JUN 4 *	22.0 E ON OCT 31	1 090 000	1980
1981	194 AT 16:35 MST ON JUL 24	190E ON JUL 18	17.6 ON MAY 7	902 000	1981
1982	289 AT 18:40 MST ON JUL 5	262 ON JUL 5	13.3 B ON MAY 1	1 010 000	1982
1983	166 AT 16:10 MST ON JUN 24	126 ON JUN 24	14.7 ON OCT 25	686 000	1983
1984	180 AT 05:25 MST ON JUN 18	162 ON JUN 18	9.96 ON MAY 8 *	745 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		868 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	0.113	0.084	0.037	0.177	4.18	8.84	3.91	1.30	0.879	0.406	0.220	0.084	3.14	1971
1972	0.082	0.057	0.019	0.008	---	---	---	---	---	0.732	0.582	0.284	---	1972
1973	0.205	0.150	0.088	0.074	2.48	5.55	3.70	1.34	0.789	0.501	0.281	0.221	2.38	1973
1974	0.123	0.073	0.021	0.027	0.832	8.84	4.25	1.71	0.710	0.384	---	---	2.73	1974
1975	---	---	---	---	0.326	3.04	3.85	1.63	0.851	0.493	---	---	1.68	1975
1976	---	---	---	---	2.27	3.98	4.89	2.83	1.67	0.630	---	---	2.66	1976
1977	---	---	---	---	0.886	3.20	1.30	1.47	1.03	0.453	---	---	1.42	1977
1978	---	---	---	---	0.840	8.63	3.36	1.12	0.788	0.800	---	---	2.22	1978
1979	---	---	---	---	1.01	3.84	1.89	0.859	0.380	0.173	---	---	1.31	1979
1980	---	---	---	---	3.84	5.07	1.70	1.34	0.935	0.723	---	---	2.21	1980
1981	---	---	---	---	3.89	3.88	6.14	2.32	0.771	0.368	---	---	2.50	1981
1982	---	---	---	---	1.33	7.30	3.41	1.56	0.837	0.838	---	---	2.48	1982
1983	---	---	---	---	1.48	3.36	2.42	0.816	0.884	0.322	---	---	1.50	1983
1984	---	---	---	---	0.643	4.73	2.47	1.11	0.878	0.570	---	---	1.72	1984
MEAN	0.126	0.086	0.039	0.072	1.82	5.23	3.32	1.48	0.853	0.494	0.354	0.183	2.18	MEAN

LOCATION - LAT 51 05 55 N DRAINAGE AREA, 109 km²
LONG 115 38 55 W NATURAL FLOW

BREWSTER CREEK NEAR BANFF - STATION NO. 05BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	12.3 E ON JUN 7	0.345B ON OCT 26	49 900	1971
1972	---	---	---	---	1972
1973	---	11.3 E ON JUN 24	0.113B ON MAY 1	36 000	1973
1974	---	18.8 E ON JUN 17 *	0.113E ON MAY 1	43 400	1974
1975	13.1 AT 19:30 MST ON JUL 11	6.86 ON JUL 5	0.006B ON MAY 1 *	25 800	1975
1976	12.5 AT 11:30 MST ON JUL 1	11.5 ON JUL 1	0.283 ON MAY 1	42 200	1976
1977	12.8 AT 23:59 MST ON JUN 8	11.6 ON JUN 8	0.311A ON OCT 31	32 500	1977
1978	14.0 AT 23:00 MST ON JUN 5	12.3 ON JUN 6	0.261E ON MAY 6	35 400	1978
1979	8.82 AT 04:00 MST ON MAY 27	7.83 ON MAY 27	0.060B ON MAY 1	20 900	1979
1980	10.0 AT 01:10 MST ON JUN 11	8.71 ON MAY 28	0.392A ON OCT 29	35 100	1980
1981	14.4 AT 05:55 MST ON MAY 26	13.5 ON MAY 26	0.290E ON OCT 25	46 100	1981
1982	14.6 AT 02:55 MST ON JUN 15	13.1 ON JUN 15	0.378E ON OCT 31	39 600	1982
1983	7.30 AT 22:30 MST ON MAY 29	6.58 ON MAY 29	0.150B ON MAY 1	23 900	1983
1984	14.7 AT 21:00 MST ON JUN 29 *	11.5 ON JUN 29	0.158B ON OCT 31	27 400	1984
				34 700	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX) E - ESTIMATED

BRIDGE CREEK NEAR ENILDA - STATION NO. 07BF007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	---	---	0	0.001	0.001	0.001	0	---	1926
1927	0.001	0	0.001	0.059	0.018	0.240	0.106	0.004	0.005	0.002	0	---	---	1927
MEAN	0.001	0	0.001	0.059	0.018	0.240	0.106	0.002	0.003	0.002	0.001	0	---	MEAN

LOCATION - LAT 55 28 00 N DRAINAGE AREA, 5.13 km²
LONG 118 17 00 W NATURAL FLOW

BRIDGE CREEK NEAR ENILDA - STATION NO. 07BF007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1926	---	---	0 ON AUG 5 *	---	1926
1927	---	2.83 ON JUN 30 *	0B ON FEB 5	---	1927
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	0.051	0.003	0.001	0	0	0.002	0.002	---	1967
1968	0.005	0.003	0.007	0.042	0.178	0.194	0	0	0	0	0.001	0.004	0.052	1968
1969	---	---	0	0.306	0.080	0.002	0	0	0.001	0.002	---	0.004	0.048	1969
1970	---	---	0.005	0.270	0.138	0.005	0	0	0	0	0	---	0.052	1970
1971	---	---	0.001	0.055	0.027	0.381	0.303	0.002	0	0.001	---	---	0.096	1971
1972	0.003	0.003	0.008	0.406	0.183	0.192	0.025	0.007	0.005	0.004	---	---	0.102	1972
1973	0.003	0.003	0.003	0.319	0.158	0.247	0.030	0.004	0.004	0.021	---	---	0.087	1973
1974	---	---	0.008	0.889	0.445	0.012	0	0	0.001	0.001	---	---	0.189	1974
1975	---	---	---	---	0.057	0.158	0.026	---	0.001	0.001	0.002	---	---	1975
1976	---	---	---	0.431	0.117	0.586	0.182	0.620	0.224	0.047	---	---	---	1976
1977	---	---	0.002	0.584	0.487	0.108	0.216	0.015	0.028	0.055	---	---	0.185	1977
1978	---	---	---	0.327	0.275	---	0.010	0.001	0.038	0.034	---	---	---	1978
1979	---	---	---	---	0.580	0.385	0.080	0.005	0.001	0.001	---	---	---	1979
1980	---	---	---	0.115	0.018	0.058	0.004	0.001	0.014	0.005	---	---	---	1980
1981	---	---	---	0.282	0.039	0.004	0	0	0	0	---	---	---	1981
1982	---	---	---	0.003	0.171	0	0.031	0.158	0.002	0.001	---	---	---	1982
1983	---	---	---	0.020	0.035	0.377	---	0.034	0.001	0.001	---	---	---	1983
1984	---	---	---	0.084	0.624	0.112	0.008	0	0.013	0.028	---	---	---	1984
MEAN	0.004	0.003	0.004	0.285	0.215	0.182	0.053	0.047	0.019	0.011	0.001	0.003	0.100	MEAN

LOCATION - LAT 54 58 10 N
LONG 117 44 02 W
DRAINAGE AREA, 19.7 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

BRIDLEBIT CREEK NEAR VALLEYVIEW - STATION NO. 07GF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	0 ON JUL 10 *	---	1967
1968	1.95 AT 18:00 MST ON JUN 13	1.53 ON JUN 14	0 ON JUN 25	1 110	1968
1969	---	1.18 B ON APR 25	0 B ON MAR 1	1 020	1969
1970	---	0.7628 ON APR 23	0 ON JUL 4	1 090	1970
1971	2.73 AT 11:00 MST ON JUL 12	2.61 ON JUL 12	0 B ON MAR 25	2 030	1971
1972	2.41 AT 10:30 MST ON JUN 26	1.91 ON JUN 26	0.0018 ON MAR 1	2 180	1972
1973	1.31 AT 18:30 MST ON JUN 11	1.20 ON APR 24	0.0028 ON MAR 4	2 050	1973
1974	3.26 AT 00:30 MST ON APR 25	2.84 ON APR 24	0 ON JUL 3	3 570	1974
1975	---	0.800 ON APR 29	0 B ON MAR 11	---	1975
1976	---	5.15 ON AUG 18 *	---	---	1976
1977	---	3.57 ON APR 8	0.0018 ON MAR 18	3 820	1977
1978	---	1.59 ON APR 30	---	---	1978
1979	4.18 AT 10:45 MST ON JUN 14 *	2.87 ON JUN 14	0.001 ON AUG 22	---	1979
1980	2.26 AT 19:18 MST ON APR 25	0.942 ON APR 25	0 B ON MAR 28	---	1980
1981	1.14 AT 06:51 MST ON APR 21	1.03 ON APR 21	0 ON JUN 22	---	1981
1982	1.19 AT 12:46 MST ON AUG 4	1.08 ON AUG 4	0 B ON APR 10	---	1982
1983	---	---	0 ON SEP 13	---	1983
1984	3.78A AT 08:45 MST ON MAY 17	3.27 E ON MAY 17	0 B ON MAR 5	---	1984
				2 120	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BROWN CREEK AT FORESTRY ROAD - STATION NO. 06DD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	2.37	1.03	1.06	1.06	---	---	---	1974
1975	---	---	---	---	1.84	1.18	1.68	0.882	0.545	0.298	---	---	1.03	1975
1976	---	---	---	---	1.89	1.85	1.32	2.46	0.615	0.384	---	---	1.42	1976
1977	---	---	---	---	6.80	5.23	3.22	4.15	3.53	1.68	---	---	4.16	1977
1978	---	---	---	---	4.52	6.18	5.29	1.84	3.42	1.42	---	---	3.76	1978
1979	---	---	---	---	3.20	1.78	0.882	0.756	0.537	0.405	---	---	1.27	1979
1980	---	---	---	---	3.02	17.6	4.61	2.76	2.30	1.27	---	---	5.26	1980
1981	---	---	---	---	4.11	3.22	7.55	4.05	1.80	1.08	---	---	3.82	1981
1982	---	---	---	---	2.72	3.86	11.8	1.31	1.65	2.71	---	---	4.08	1982
1983	---	---	---	---	4.32	4.63	3.26	0.578	0.472	0.514	---	---	2.30	1983
1984	---	---	---	---	2.67	4.78	1.30	0.883	1.08	1.65	---	---	1.87	1984
MEAN	---	---	---	---	3.49	5.06	3.97	1.84	1.53	1.13	---	---	2.88	MEAN

LOCATION - LAT 52 45 40 N
LONG 116 21 20 W
DRAINAGE AREA, 218 km²
NATURAL FLOW

BROWN CREEK AT FORESTRY ROAD - STATION NO. 05DD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	7.03 AT 02:00 MST ON JUL 12	5.97 ON JUL 12	---	---	1974
1975	4.13 AT 14:30 MST ON JUL 13	3.85 ON MAY 9	0.1908 ON OCT 31 *	18 400	1975
1976	8.14 AT 01:00 MST ON AUG 8	5.41 ON AUG 8	0.2048 ON OCT 25	22 800	1976
1977	18.7 AT 00:30 MST ON JUN 2	15.1 ON JUN 2	0.803 ON MAY 1	85 200	1977
1978	16.4 AT 24:00 MST ON JUL 11	15.6 ON JUL 12	0.877 ON OCT 27	59 800	1978
1979	5.83 AT 03:00 MST ON MAY 24	5.46 ON MAY 24	0.309 ON OCT 8	20 300	1979
1980	135 AT 18:45 MST ON JUN 4 *	98.7 ON JUN 4 *	0.7878 ON OCT 23	84 000	1980
1981	20.3 AT 14:25 MST ON JUL 24	18.1 ON JUL 24	0.490 ON MAY 7	57 400	1981
1982	81.4 AT 12:57 MST ON JUL 5	48.1 ON JUL 5	0.616 ON SEP 25	84 600	1982
1983	19.3 AT 11:10 MST ON JUN 24	15.8 ON JUN 24	0.312 ON OCT 12	38 500	1983
1984	14.5 AT 19:59 MST ON JUN 9	12.5 ON JUN 9	0.231 ON SEP 5	31 200	1984
				46 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.035	0.915	0.327	0.057	0.010	0.010	0.087	0.088	---	---	0.184	1972
1973	---	---	0.126	1.18	0.298	0.589	0.563	0.418	0.140	0.128	---	---	0.425	1973
1974	---	---	0.081	5.33	0.973	0.857	0.332	0.028	0.024	0.018	---	---	1.04	1974
1975	---	---	0.050	0.774	0.522	0.207	0.045	0.028	0.052	0.070	---	---	0.217	1975
1976	---	---	0.086	0.886	0.157	0.480	0.116	0.022	0.059	0.022	---	---	0.200	1976
1977	---	---	0.066	0.338	0.504	0.084	0	0.004	0.038	0.080	---	---	0.135	1977
1978	---	---	0.172	0.431	0.261	0.180	0.007	0	0.088	0.081	---	---	0.150	1978
1979	---	---	0.236	0.988	0.272	0.276	0.812	0.188	0.018	0.070	---	---	0.328	1979
1980	---	---	0.012	0.914	0.161	0.170	0.128	0.115	0.077	0.085	---	---	0.205	1980
1981	---	---	0.579	0.511	0.133	0.030	0.015	0.018	0	0.010	---	---	0.181	1981
1982	---	---	0	0.335	0.158	0.080	0.073	0.084	0.018	0.027	---	---	0.084	1982
1983	---	---	0.141	0.592	0.261	0.184	0.251	0.008	0.019	0.038	---	---	0.177	1983
1984	---	---	0.310	0.427	0.158	0.298	0.021	0	0.018	0.087	---	---	0.181	1984
MEAN	---	---	0.142	1.11	0.322	0.247	0.187	0.087	0.047	0.068	---	---	0.287	MEAN

LOCATION - LAT 53 00 28 N DRAINAGE AREA, 709 km^2
LONG 110 51 57 W NATURAL FLOW

BUFFALO CREEK AT HIGHWAY NO. 41 - STATION NO. 05FE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.73 B ON APR 7	0 B ON MAR 1 *	3 900	1972
1973	5.38 AT 18:10 MST ON JUN 18	3.99 ON JUN 18	0 B 00 MAR 1	8 990	1973
1974	27.4 AT 22:30 MST ON APR 19 *	20.2 ON APR 18 *	0.010 ON OCT 12	21 900	1974
1975	3.458 AT 10:30 MST ON APR 18	1.98 ON APR 24	0 ON JUL 30	4 590	1975
1976	---	2.34 B ON APR 6	0 ON AUG 6	4 220	1976
1977	1.108 AT 21:00 MST ON APR 6	0.986 ON MAY 17	0 ON JUN 23	2 870	1977
1978	1.009 AT 14:15 MST ON APR 1	0.8520 ON APR 1	0 ON JUL 6	3 180	1978
1979	4.51 AT 16:30 MST ON JUL 29	1.85 ON JUL 30	0.006 ON SEP 18	8 910	1979
1980	2.688 AT 12:25 MST ON APR 10	1.98 ON APR 14	0.0018 ON MAR 1	4 350	1980
1981	2.40 AT 15:30 MST ON MAR 28	2.34 B ON MAR 28	0 ON JUL 22	3 410	1981
1982	---	0.9638 ON APR 22	0 B ON MAR 1	1 880	1982
1983	1.38 AT 12:13 MST ON JUL 7	1.33 ON JUL 7	0 ON AUG 10	3 750	1983
1984	---	2.13 B ON MAR 30	0 ON JUL 25	3 410	1984
				5 650	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLHORN COULEE NEAR CARDSTON - STATION NO. 05AD018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	---	0	---	---	---	1935
1936	---	---	0.355	0.043	0.001	0	---	---	---	---	---	---	---	1936
MEAN	---	---	0.355	0.043	0.001	0	---	---	---	0	---	---	---	MEAN

LOCATION - LAT 49 14 40 N DRAINAGE AREA, 119 km^2
LONG 113 28 00 W NATURAL FLOW

BULLHORN COULEE NEAR CARDSTON - STATION NO. 05AD018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	0 ON OCT 1 *	---	1935
1936	---	3.988 ON MAR 2 *	00 ON MAR 23	---	1936
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	0	0.085	0.002	0	0	0	0	0	---	---	0.012	1962
1963	---	---	0.221	0.027	0	0	0	0	0	0	---	---	0.031	1963
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0.027	1.08	0.013	0.004	0	0	0	0	---	---	0.138	1965
1966	---	--	0.202	0.146	0.008	0	0.004	0	0	0	---	---	0.045	1966
1967	---	---	0.105	0.682	0.050	0.027	0	0	0	0	---	---	0.131	1967
1968	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1968
1969	---	---	0	0.298	0	0	0	0	0	0	---	---	0.038	1969
1970	---	---	0.082	0.815	0.008	0.008	0.482	0.002	0	0	---	---	0.163	1970
1971	---	---	0.063	2.38	0.031	0.026	0.013	0	0	0	---	---	0.308	1971
1972	---	---	0.146	0.059	0.003	0	0	0	0	0	---	---	0.028	1972
1973	---	---	0	0.016	0.004	0.336	0.054	0.001	0	0	---	---	0.051	1973
1974	---	---	0	2.83	0.729	0.056	0.008	0	0	0	---	---	0.447	1974
1975	---	---	0	1.19	0.507	0.051	0.005	0	0	0	---	---	0.217	1975
1976	---	---	0.037	0.062	0.017	0.006	0.001	0	0	0	---	---	0.018	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.188	0.334	0.003	0.018	0	0	0	0	---	---	0.028	1978
1979	---	---	0.075	0.020	0	0	0	0	0	0	---	---	0.012	1979
1980	---	---	0.013	0.121	0	0	0	0	0	0	---	---	0.017	1980
MEAN	---	---	0.059	0.518	0.072	0.028	0.028	0	0	0	---	---	0.087	MEAN

LOCATION - LAT 51 39 00 N DRAINAGE AREA, 208 km²
LONG 112 00 30 W REGULATED SINCE 1976

BULLPOUND CREEK NEAR HANNA - STATION NO. 05CE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	0.391 ON APR 24	0B ON MAR 1 *	252	1962
1963	---	0.3918 ON MAR 1	0 ON APR 27	661	1963
1964	---	0 ON MAR 1	0 ON MAR 1	0	1964
1965	---	4.02 B ON APR 11	0B ON MAR 1	2 920	1965
1966	---	1.17 B ON MAR 31	0B ON MAR 1	845	1966
1967	---	3.09 B ON APR 10	0B ON MAR 1	2 770	1967
1968	---	0.0278 ON MAR 5	0B ON MAR 5	4.41	1968
1969	---	2.04 ON APR 10	0B ON MAR 1	771	1969
1970	---	2.73 ON APR 5	0B ON MAR 1	3 020	1970
1971	15.3 AT 05:00 MST ON APR 5 *	13 B ON APR 5 *	0B ON MAR 1	8 640	1971
1972	---	0.9208 ON MAR 25	0B ON MAR 1	845	1972
1973	2.07 AT 03:20 MST ON JUN 18	1.83 ON JUN 18	0B ON MAR 1	1 080	1973
1974	10 B AT 18:30 MST ON APR 18	10.1 ON APR 18	0B ON MAR 1	9 470	1974
1975	6.00 AT 15:45 MST ON APR 21	5.78 ON APR 22	0B ON MAR 1	4 810	1975
1976	---	0.2128 ON MAR 28	0B ON MAR 1	288	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	1.68 B ON MAR 27	0B ON MAR 1	952	1978
1979	---	0.9938 ON MAR 13	0B ON MAR 1	254	1979
1980	---	1.89 ON APR 1	0B ON MAR 1	349	1980
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 840	MEAN

BULLPOUND CREEK NEAR HUTTON - STATION NO. 05CE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	0.137	2.88	0.117	0.038	---	---	---	---	---	---	---	1938
MEAN	---	---	0.137	2.88	0.117	0.038	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 07 20 N DRAINAGE AREA, 1 430 km²
LONG 111 56 20 W NATURAL FLOW

BULLPOUND CREEK NEAR HUTTON - STATION NO. 05CE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1938	---	19.8E ON APR 14 *	0B ON MAR 1 *	---	1938
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0	0	0	0	0	0	0	---	---	0	1964
1965	---	---	0 008R	1 42 R	0 005R	0	0	0	0	0	---	---	0 175R	1965
1966	---	---	0 501R	0 168R	0	0	0	0	0	0	---	---	0 084R	1966
1967	---	---	0	0 375R	0 318R	0 309R	0 002R	0	0	0 139	---	---	0 141R	1967
1968	---	---	0 001	0 004	0	0	0	0	0	0	---	---	0 001	1968
1969	---	---	0	2 12 R	0 367R	0 R	0	0	0	0	---	---	0 306R	1969
1970	---	---	0 030	1 14	0 073	0 138	0 049	0	0	0	---	---	0 176	1970
1971	---	---	0	8 07	4 10	1 17	0 013	0	0	0	---	---	1 77	1971
1972	---	---	0	0	0	0	0	0	0	0	---	---	0	1972
1973	---	---	0	0	0	0 002	0	0	0	0	---	---	0	1973
1974	---	---	0	0 387	3 71	0 362	0 003	0	0	0	---	---	0 562	1974
1975	---	---	0	0 068	1 38	0 308	0 011	0 001	0	0	---	---	0 218	1975
1976	---	---	0 002	0 103	0	0	0	0	0	0	---	---	0 013	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	---	---	0	0	0	0	0	0	---	---	---	1979
1980	---	---	0	0	0	0	0	0	0	0	---	---	0	1980
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	---	0	0	0	0	0	0	0	0	---	---	0	1982
1983	---	---	0 004	0	0	0	0	0	0	0	---	---	0 001	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	E 027R	0 740R	0 474R	0 109R	0 004R	0	0	0 007	---	---	0 172	MEAN

LOCATION - LAT 51 05 56 N, LONG 111 55 44 W. DRAINAGE AREA, 1 470 km². REGULATED. R - REVISED SINCE JAN 1980

BULLPOUND CREEK NEAR THE MOUTH - STATION NO. 05CG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	0 BN MAR 1	0 BN MAR 1 *	0	1964
1965	5 49 RB AT 17 30 MST ON APR 9	5 33 R ON APR 10	ORB ON MAR 1	3 710 R	1965
1966	5 66 R AT 00 30 MST ON MAR 29	4 22 RA ON MAR 30	ORB ON MAR 1	1 780 R	1966
1967	---	2 39 RA ON APR 28	OB ON MAR 1	2 990 R	1967
1968	---	0 014 ON APR 5	OB ON MAR 1	11 1	1968
1969	---	15 8 R ON APR 9	OB ON MAR 1	5 460 R	1969
1970	---	4 11 ON APR 5	OB ON MAR 1	3 720	1970
1971	19 1 AT 12 00 MST ON APR 22 *	18 8 ON APR 22 *	OB ON MAR 1	37 600	1971
1972	---	0 BN MAR 1	0 ON MAR 1	0	1972
1973	0 091 AT 16 30 MST ON JUN 15	0 037 ON JUN 15	0 ON MAR 1	3 89	1973
1974	6 60 AT 13 30 MST ON MAY 6	5 46 ON MAY 8	OB ON MAR 1	11 900	1974
1975	3 26 AT 11 00 MST ON MAY 21	3 03 ON MAY 21	OB ON MAR 1	4 570	1975
1976	0 9408 AT 12 00 MST ON APR 3	0 3548 ON APR 3	OB ON MAR 1	273	1976
1977	0 IN MAY	0 BN MAR 1	0 ON MAR 1	0	1977
1978	---	0 BN MAR 1	0 ON MAR 1	0	1978
1979	---	---	0 ON MAR 1	---	1979
1980	---	0 E ON MAR 1	OE ON MAR 1	0	1980
1981	---	0 B ON MAR 1	OB ON MAR 1	0	1981
1982	---	0 B ON MAR 1	OB ON MAR 1	0	1982
1983	0 100 AT 03 15 MST ON MAR 12	0 072 ON MAR 12	0 ON MAR 1	11 9	1983
1984	---	0 BN MAR 1	0 ON MAR 1	0	1984
MEAN				3 550 R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX). B - ICE CONDITIONS. E - ESTIMATED. * - EXTREME RECORDED FOR THE PERIOD OF RECORD. R - REVISED SINCE JAN 1980

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0 061	0 493	0 005	0	0	0 105	0 011	0 005	---	---	0 088	1980
1981	---	---	0 045R	0 008R	E 001R	0 R	0 001R	0 002R	0 R	0 R	---	---	0 007R	1981
1982	---	---	0 027	0 281	0 009	0	0 057	0 001	0	0	---	---	0 048	1982
1983	---	---	0	0	E	0	0 024	0	0	0	---	---	0 003	1983
1984	---	---	0 003	0 023	B	0 047	0	0	0 014	0 001	---	---	0 011	1984
MEAN	---	---	E 031R	0 161R	0 003R	0 009R	0 018R	0 022R	0 005R	0 001R	---	---	0 031	MEAN

LOCATION - LAT 51 39 43 N, LONG 112 05 00 W. DRAINAGE AREA, 197 km². NATURAL FLOW. R - REVISED SINCE JAN 1980

BULLPOUND CREEK NEAR WATTS - STATION NO. 05CG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	2 50 B ON MAR 31 *	OB ON MAR 1 *	1 830	1980
1981	---	0 076RB ON MAR 18	OB ON MAY 1	151 R	1981
1982	1 17 AT 08 34 MST ON APR 14 *	1 10 ON APR 14	OB ON MAR 1	861	1982
1983	0 387 AT 10 03 MST ON JUL 3	0 250 ON JUL 3	OB ON MAR 1	85 1	1983
1984	0 888 AT 00 21 MST ON JUN 7	0 296 ON JUN 7	OB ON MAR 1	231	1984
MEAN				652 R	MEAN

B - ICE CONDITIONS. * - EXTREME RECORDED FOR THE PERIOD OF RECORD. R - REVISED SINCE JAN 1980

BULLSHEAD CREEK AT BURTON'S RANCH - STATION NO. 05AH012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	0.048	1.52	1.04	0.001	0.182	0.020	0.012	0.013	0.018	---	---	0.351	1925
1926	---	---	0.345	0.055	0	0.001	0	0.015	0.080	0.080	---	---	0.067	1926
1927	---	0.003	0.257	3.18	1.85	1.18	0.562	0.520	0.141	0.101	---	---	0.838	1927
1928	---	---	2.44	0.035	0	0.056	0.503	0.013	0.012	0.014	---	---	0.368	1928
1929	---	---	0.751	0.282	0.138	0.081	0.040	0.004	0.014	0.041	---	---	0.166	1929
MEAN	---	0.026	1.06	0.910	0.357	0.302	0.223	0.113	0.048	0.047	---	---	0.383	MEAN

LOCATION - LAT 49 55 30 N DRAINAGE AREA, 411 km²
LONG 110 39 10 W NATURAL FLOW

BULLSHEAD CREEK AT BURTON'S RANCH - STATION NO. 05AH012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1925	---	22.3 ON MAR 29 *	0B ON MAR 1 *	7 420	1925
1926	---	3.04 ON MAR 4	0 ON MAR 8	1 420	1926
1927	---	13.1 ON APR 17	0B ON MAR 1	18 900	1927
1928	---	10.6 E ON JUL 1	0 ON APR 5	8 220	1928
1929	---	2.27 ON MAR 28	0B ON MAR 1	3 560	1929
				8 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLSHEAD CREEK AT CLARK'S RANCH - STATION NO. 05AH010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	2.77	0.124	0.018	0.004	0	0.008	0.018	---	---	---	1912
1913	---	---	---	2.61	0.051	0.007	0.004	0.005	0.002	0.013	---	---	---	1913
1914	---	---	---	0.314	0.033	0.006	0	0	0.008	0.108	---	---	---	1914
1915	---	---	---	0.588	---	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	1.56	0.069	0.011	0.003	0.002	0.006	0.046	---	---	---	MEAN

LOCATION - LAT 49 44 10 N DRAINAGE AREA, 205 km²
LONG 110 38 10 W NATURAL FLOW

BULLSHEAD CREEK AT CLARK'S RANCH - STATION NO. 05AH010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	17.6 E ON APR 3 *	0 ON JUN 25 *	---	1912
1913	---	11.9 ON APR 5	0 ON JUN 10	---	1913
1914	---	1.19 ON MAR 30	0 ON MAY 27	---	1914
1915	---	8.31 ON APR 3	0 ON MAR 13	---	1915
				---	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

BULLSHEAD CREEK NEAR WOOLCHESTER - STATION NO. 05AH013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	0.370	0.575	0.007	0	0	---	---	---	1915
1916	---	---	1.30	0.213	0.230	1.16	0.594	0.580	0.120	0.082	---	---	0.635	1916
1917	---	---	---	3.77	0.809	0.221	0.008	0	0	---	---	---	---	1917
1918	---	---	---	1.62	0.172	0.010	---	---	---	---	---	---	---	1918
1919	---	---	---	0.437	0.018	---	---	---	---	---	---	---	---	1919
1920	---	---	---	1.10	0.232	0.080	0.018	---	---	---	---	---	---	1920
1921	---	---	1.23	3.13	0.287	0.007	0.043	0	---	---	---	---	---	1921
1922	---	---	0.480	3.69	0.553	0.013	0.001	---	---	---	---	---	---	1922
1923	---	---	0.185	0.587	0.013	0.185	0.588	0.463	0.003	0.001	---	---	0.281	1923
1924	---	0.001	0.027	0.218	0.013	0.003	0	0	0	0	---	---	0.032	1924
1930	---	1.53	0.780	1.81	0.353	0.025	0.003	0.001	0.008	0.001	---	---	0.348	1930
1931	---	---	0.047	0.048	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.440	---	0.118	0.008	---	---	---	---	---	---	---	1936
MEAN	---	0.786	0.681	1.80	0.284	0.181	0.212	0.148	0.018	0.011	---	---	0.284	MEAN

LOCATION - LAT 49 52 30 N DRAINAGE AREA, 316 km²
LONG 110 38 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

BULLSHEAD CREEK NEAR WOODCHESTER - STATION NO. 05AH013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON AUG 8 *	---	1915
1916	---	5.96 ON JUN 11	0B ON MAR 5	11 300	1916
1917	---	10.8 ON APR 10	0 ON JUL 24	---	1917
1918	---	3.17 ON APR 9	0 ON JUN 8	---	1918
1919	---	1.61 ON APR 14	0B ON MAR 25	---	1919
1920	---	5.72 ON APR 13	0 ON JUN 8	---	1920
1921	---	15.5 ON APR 3 *	0B ON MAR 9	---	1921
1922	---	12.9 ON APR 22	0B ON MAR 1	---	1922
1923	---	12.5 ON AUG 16	0B ON MAR 1	5 830	1923
1924	---	0.9238 ON APR 5	0B ON MAR 14	882	1924
1930	---	7.62 ON APR 4	0 ON JUL 29	7 370	1930
1931	---	0.181 ON MAR 22	0B ON MAR 9	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	---	0B ON MAR 1	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 220	MEAN

C. P. R. CO. EAST BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0	0	0	0	0.326	3.54	7.19	4.88	8.07	7.44	1.81	0	2.49	1914
1915	0	0	0	2.28	3.03	2.72	3.23	3.60	14.4	15.7	8.10	7.16	5.03	1915
1916	8.68	8.88	0	0	2.12	1.58	2.20	2.14	2.80	2.71	1.67	0.058	2.30	1916
1917	0	0	0	0	1.62	3.07	7.82	8.45	4.25	3.36	11.7	3.19	3.80	1917
1918	6.38	2.87	2.30	0.076	3.89	10.1	18.8	18.1	19.3	10.4	1.37	0	7.55	1918
1920	0	0	0	0	1.53	17.8	24.4	18.4	15.7	2.63	0	0	6.73	1920
1921	0	0	0	0	2.72	32.4	41.0	28.8	26.4	10.8	0.632	0	12.2	1921
1922	0	0	0	0	3.88	38.7	40.1	23.6	16.7	3.77	0	0	10.4	1922
1923	0	0	0	0	13.7	18.7	22.3	26.0	26.8	1.04	0	0	8.08	1923
1924	0	0	0	0.823	30.1	44.1	47.8	34.8	24.9	8.53	0	0	15.9	1924
1925	0	0	0	0	11.4	27.0	37.0	25.3	19.3	0.248	0	0	10.1	1925
1926	0	0	0	0	16.8	40.1	37.8	28.0	18.8	0.160	0	0	11.8	1926
1927	0	0	0	0	4.43	15.4	28.4	26.8	16.8	0.397	0	0	7.75	1927
1928	0	0	0	0	19.2	34.0	21.7	21.8	18.7	0.836	0	0	8.74	1928
1929	0	0	0	2.78	14.7	37.8	48.3	36.8	30.0	18.8	0	0	18.9	1929
1930	0	0	0	8.71	28.0	50.1	51.8	44.2	41.8	2.48	0	0	18.1	1930
MEAN	0.882	0.822	0.144	0.861	8.87	23.2	27.4	21.9	18.3	5.88	1.88	0.861	8.37	MEAN

LOCATION - LAT 50 45 00 N
LONG 112 25 00 W REGULATED

DATA CONTRIBUTED BY - CANADIAN PACIFIC RAILWAY

C. P. R. CO. EAST BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	14.8 ON OCT 22	0 ON JAN 1 *	78 400	1914
1915	---	22.8 ON OCT 28	0 ON JAN 1	159 000	1915
1916	---	13.1 ON FEB 18	0 ON FEB 29	72 800	1916
1917	---	21.58 ON NOV 27	0 ON JAN 1	133 000	1917
1918	---	33.8 ON JUL 26	0B ON MAR 24	238 000	1918
1920	---	28.7 ON JUL 4	0 ON JAN 1	213 000	1920
1921	---	46.8 ON JUL 3	0 ON JAN 1	386 000	1921
1922	---	51.6 ON JUN 29	0 ON JAN 1	328 000	1922
1923	---	37.8 ON MAY 31	0 ON JAN 1	267 000	1923
1924	---	44.7 ON JUL 27	0 ON JAN 1	503 000	1924
1925	---	42.5 ON JUL 4	0 ON JAN 1	318 000	1925
1926	---	46.4 ON JUN 12	0 ON JAN 1	372 000	1926
1927	---	27.4 ON AUG 7	0 ON JAN 1	244 000	1927
1928	---	41.3 ON JUN 3	0 ON JAN 1	308 000	1928
1929	---	56.6 ON JUL 4	0 ON JAN 1	501 000	1929
1930	---	58.3 ON JUN 23 *	0 ON JAN 1	603 000	1930
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		298 000	MEAN

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	---	---	0.031	0.088	0.081	0.029	0.012	0.009	0.007	0.005	---	1963
1964	0.004	0.003	0.002	0.005	0.034	0.194	0.048	0.013	0.011	0.009	0.005	0.003	0.027	1964
1965	0.002	0.002	0.002	0.009	0.034	0.122	0.078	0.038	0.027	0.044	0.018	0.009	0.032	1965
1966	0.007	0.005	0.005	0.008	0.048	0.095	0.042	0.018	0.008	0.008	0.005	0.005	0.021	1966
1967	0.004	0.003	0.003	0.003	0.036	0.149	0.038	0.012	0.007	0.005	0.005	0.003	0.022	1967
1968	0.003	0.003	0.003	0.003	0.027	0.081	0.037	0.019	0.014	0.013	0.008	0.008	0.018	1968
1969	0.004	0.004	0.003	0.012	0.074	0.103	0.018	0.010	0.008	0.008	0.005	0.004	0.029	1969
1970	0.003	0.003	0.003	0.003	0.028	0.093	0.040	0.012	0.008	0.005	0.005	0.004	0.017	1970
1971	0.003	0.003	0.002	0.004	0.057	0.148	0.030	0.011	0.008	0.005	0.005	0.002	0.023	1971
1972	0.002	0.002	0.003	0.003	0.053	0.148	0.050	0.021	0.013	0.010	0.008	0.005	0.026	1972
1973	0.005	0.003	0.003	0.004	0.047	0.114	0.041	0.015	0.012	0.009	0.007	0.005	0.022	1973
1974	0.005	0.004	0.003	0.006	0.028	0.178	0.050	0.020	0.012	0.010	0.007	0.005	0.027	1974
1975	0.003	0.003	0.003	0.003	0.027	0.079	0.039	0.024	0.015	0.010	0.007	0.005	0.018	1975
1976	0.004	0.004	0.003	0.007	0.093	0.064	0.031	0.032	0.026	0.017	0.009	0.006	0.026	1976
1977	0.005	0.004	0.003	0.009	0.035	0.031	0.016	0.019	0.020	0.015	0.009	0.006	0.014	1977
1978	0.005	0.004	0.003	0.007	0.052	0.109	0.038	0.018	0.013	0.011	0.007	0.005	0.023	1978
1979	0.003	---	---	---	---	0.052	0.019	0.011	0.007	0.005	0.003	0.003	---	1979
1980	0.003	0.003	0.003	0.018	0.089	0.107	0.025	0.017	0.020	0.020	0.012	0.007	0.025	1980
1981	0.005	0.005	0.004	0.008	0.098	0.131	0.071	0.044	0.018	0.010	0.005	0.005	0.034	1981
1982	---	---	---	---	---	0.104	0.035	0.015	0.010	0.009	0.005	0.005	---	1982
1983	0.004	0.003	0.003	0.006	0.041	0.049	0.046	0.019	0.011	0.008	0.005	0.003	0.017	1983
1984	0.004	0.003	0.003	0.008	0.031	0.080	0.023	0.012	0.010	0.010	0.006	0.004	0.014	1984
MEAN	0.004	0.003	0.003	0.006	0.047	0.105	0.045	0.020	0.013	0.012	0.007	0.005	0.023	MEAN

LOCATION - LAT 50 57 33 N LONG 115 10 00 W
DRAINAGE AREA, 2.12 km²
NATURAL FLOW

CABIN CREEK NEAR SEEBE - STATION NO. 05BF019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	0.566 AT 01:00 MST ON JUN 30	0.484 ON JUN 30	---	---	1963
1964	0.510 AT 08:30 MST ON JUN 8	0.425 ON JUN 8	0.001 ON MAR 8 *	860	1964
1965	0.394 AT 03:30 MST ON JUN 18	0.308 ON JUN 18	0.001 ON FEB 12	1 010	1965
1966	0.190 AT 17:00 MST ON JUN 7	0.167 ON JUN 7	0.004 ON MAR 15	662	1966
1967	0.224 AT 16:30 MST ON JUN 5	0.190 ON JUN 5	0.002E ON MAR 11	706	1967
1968	0.227 AT 14:10 MST ON JUN 2	0.150 ON JUN 2	0.002 ON FEB 19	573	1968
1969	0.326 AT 20:00 MST ON JUN 29	0.309 ON JUN 29	0.003 ON JAN 31	925	1969
1970	0.323 AT 21:20 MST ON JUN 13	0.261 ON JUN 15	0.003 ON JAN 1	544	1970
1971	0.578 AT 01:30 MST ON JUN 6 *	0.481 ON JUN 5 *	0.001 ON DEC 11	728	1971
1972	0.289 AT 15:30 MST ON JUN 10	0.252 ON JUN 10	0.001 ON JAN 1	832	1972
1973	---	0.170 ON JUN 7	0.003 ON FEB 13	698	1973
1974	0.459 AT 15:20 MST ON JUN 15	0.382 ON JUN 15	0.003 ON JAN 12	882	1974
1975	0.144 AT 18:30 MST ON JUN 21	0.130 ON JUN 21	0.002 ON FEB 4	578	1975
1976	0.184 AT 16:00 MST ON MAY 10	0.136 ON MAY 10	0.003 ON FEB 18	742	1976
1977	0.082 AT 04:30 MST ON MAY 11	0.085 ON MAY 24	0.003 ON FEB 28	448	1977
1978	0.272 AT 16:00 MST ON JUN 4	0.181 ON JUN 5	0.003 ON FEB 13	710	1978
1979	0.204 AT 15:00 MST ON MAY 25	0.139 ON MAY 25	---	---	1979
1980	0.228 AT 17:45 MST ON JUN 9	0.198 ON JUN 9	0.003 ON JAN 1	799	1980
1981	0.403 AT 16:20 MST ON MAY 21	0.271 ON MAY 21	0.002A ON DEC 28	1 070	1981
1982	0.206 AT 14:25 MST ON JUN 12	0.158 ON JUN 12	---	---	1982
1983	0.145 AT 15:47 MST ON MAY 24	0.088 ON MAY 24	0.002 ON JAN 31	522	1983
1984	0.197 AT 16:09 MST ON MAY 30	0.125 ON MAY 30	0.003 ON JAN 1	453	1984
				724	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CACHE PERCOTTE CREEK (NORTH FORK) NEAR HINTON - STATION NO. 07AD007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.009	0.014	0.023	---	---	---	1972
1973	---	---	---	---	---	---	0.010	0.007	0.004	0.008	---	---	---	1973
1974	---	---	---	---	---	0.014	0.011	0.005	0.008	0.003	---	---	---	1974
1975	---	---	---	---	0.013	0.014	0.004	0.001	0.001	0.001	---	---	0.006	1975
1976	---	---	---	---	0.005	0.003	0.003	0.018	0.004	0.003	---	---	0.006	1976
1977	---	---	---	---	0.075	0.038	0.048	0.053	0.048	0.028	---	---	0.048	1977
MEAN	---	---	---	---	0.031	0.017	0.015	0.018	0.013	0.011	---	---	0.020	MEAN

LOCATION - LAT 53 23 26 N LONG 117 28 11 W
DRAINAGE AREA, 2.72 km²
NATURAL FLOW
DATA CONTRIBUTED BY - HINTON FORESTRY SCHOOL

CACHE PERCOTTE CREEK (NORTH FORK) NEAR HINTON - STATION NO. 07AD007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	0.082 AT 00:00 MST ON OCT 1	0.071 ON OCT 1	---	---	1972
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	0.142 AT 15:00 MST ON JUN 28	0.088 ON JUN 28	0.001 ON JUL 25 *	89.5	1975
1976	0.142 AT 15:10 MST ON AUG 18	0.108 ON AUG 18	0.001 ON MAY 27	95.9	1976
1977	0.308 AT 17:00 MST ON MAY 29 *	0.231 ON MAY 29 *	0.007 ON MAY 1	789	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		315	MEAN

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO. 07AD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.193	0.031	0.070	0.018	---	---	---	1965
1966	---	---	---	---	---	0.074	0.044	0.080	0.033	0.022	---	---	---	1966
1967	---	---	---	---	0.059	0.119	0.020	0.005	0.002	0.003	---	---	0.035	1967
1968	---	---	---	---	0.024	0.011	0.010	0.010	0.005	0.004	---	---	0.011	1968
1969	---	---	---	---	0.028	---	---	---	0.018	---	---	---	---	1969
1970	---	---	0	0.002	0.034	0.027	0.022	0.004	0.001	0.001	---	---	0.015	1970
1971	---	---	---	---	0.027	0.129	0.185	0.010	0.009	0.007	---	---	0.081	1971
1972	---	---	0.001	0.014	0.083	0.085	0.039	0.025	0.029	0.053	---	---	0.054	1972
1973	---	---	---	---	0.110	0.080	0.018	0.014	0.009	0.015	---	---	0.038	1973
1975	---	---	---	---	0.032	0.031	0.010	0.001	0.001	0.001	---	---	0.013	1975
1976	---	---	---	---	0.024	0.009	0.007	0.038	0.008	0.004	---	---	0.015	1976
1977	---	---	---	---	0.137	0.048	0.071	0.084	0.109	0.047	---	---	0.082	1977
MEAN	---	---	0.001	0.008	0.058	0.059	0.058	0.026	0.024	0.017	---	---	0.038	MEAN

LOCATION - LAT 53 24 08 N, LONG 117 30 27 W
DRAINAGE AREA, 7.15 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - HINTON FORESTRY SCHOOL

CACHE PERCOTTE CREEK NEAR HINTON - STATION NO. 07AD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	0.867 AT 14:00 MST ON JUL 8 *	0.854 ON JUL 8	---	---	1965
1966	0.473 AT 14:00 MST ON AUG 5	0.300 ON AUG 28	---	---	1966
1967	0.381 AT 22:00 MST ON JUN 17	0.294 ON JUN 18	0.001E ON SEP 17	550	1967
1968	0.071 AT 08:30 MST ON MAY 10	0.045 ON MAY 9	0.003 ON JUN 31	189	1968
1969	0.949R AT 17:00 MST ON AUG 5	0.702 ON AUG 5 *	---	---	1969
1970	0.232 AT 23:00 MST ON JUN 15	0.150 ON JUN 16	0 E ON OCT 31 *	235	1970
1971	0.818 AT 20:30 MST ON JUL 11	0.646 ON JUL 11	0.004E ON SEP 18	989	1971
1972	0.518 AT 01:30 MST ON JUN 25	0.439 ON JUN 25	0.012 ON JUN 10	859	1972
1973	0.422 AT 17:35 MST ON JUN 24	0.278 ON MAY 27	0.006 ON AUG 15	603	1973
1975	0.337 AT 18:30 MST ON JUN 28	0.238 ON JUN 28	0.001 ON AUG 1	203	1975
1976	0.367 AT 14:50 MST ON AUG 18	0.289 ON AUG 18	0.001 ON JUN 10	231	1976
1977	0.725 AT 17:30 MST ON MAY 29	0.442 ON MAY 29	0.002 ON JUN 30	1 310	1977
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		570	MEAN

CADOTTE RIVER AT OUTLET CADOTTE LAKE - STATION NO. 07HB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.082	0.114	2.48	5.82	9.78	1.48	0.092	0.182	---	---	2.81	1984
MEAN	---	---	0.082	0.114	2.48	5.82	9.78	1.48	0.092	0.182	---	---	2.81	MEAN

LOCATION - LAT 56 20 12 N, LONG 118 25 56 W
DRAINAGE AREA, 881 km^2
REGULATED

CADOTTE RIVER AT OUTLET CADOTTE LAKE - STATION NO. 07HB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	15.5 AT 09:30 MST ON JUL 11 *	15.4A ON JUL 11 *	0.009 ON MAR 25 *	55 300	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		55 300	MEAN

CAIRN HILL SPILLWAY NEAR STRANGMUIR - STATION NO. 05BM010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	0.844	0.687	0.494	0.381	0.108	---	---	---	1951
1952	---	---	---	---	---	0.372	0.192	0.488	0.991	0.227	---	---	---	1952
1953	---	---	---	---	0.330	0.612	0.311	0.883	0.823	0.309	---	---	0.509	1953
1954	---	---	---	---	0.905	1.10	0.373	0.455	0.841	0.261	---	---	0.804	1954
1955	---	---	---	---	0.133	0.144	0.705	0.289	0.228	0.150	---	---	0.278	1955
1956	---	---	---	---	0.235	0.788	0.250	0.228	0.236	0.183	---	---	0.315	1956
1957	---	---	---	---	0.485	0.387	0.095	0.042	0.033	0.142	---	---	0.194	1957
1958	---	---	---	---	0.371	0.712	0.827	0.182	0.078	0.027	---	---	0.388	1958
1959	---	---	---	---	0.284	0.844	0.720	0.370	0.872	0.281	---	---	0.571	1959
MEAN	---	---	---	---	0.389	0.620	0.480	0.357	0.477	0.185	---	---	0.405	MEAN

LOCATION - LAT 50 54 30 N
LONG 113 24 30 W REGULATED

CAIRN HILL SPILLWAY NEAR STRANGMUIR - STATION NO. 05BM010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	2.69 ON AUG 16	---	---	1951
1952	---	1.83 ON JUN 22	---	---	1952
1953	---	2.83 ON JUN 13	0.011 ON OCT 22	3 100	1953
1954	---	3.80 ON MAY 14	0.017 ON JUL 19	5 530	1954
1955	---	2.27 ON JUL 5	0 ON JUL 17 *	4 290	1955
1956	---	3.00 ON MAY 21	0.057 ON JUL 22	5 010	1956
1957	---	3.23 ON MAY 7 *	0.025 ON JUL 24	3 070	1957
1958	---	1.76 ON JUN 2	0.006 ON OCT 20	5 620	1958
1959	---	1.90 ON MAY 12	0.006 ON OCT 27	9 090	1959
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 440	MEAN

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BM012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	0.432	0.044	0.018	0.008	0.882	0.300	---	---	0.243	1980
1981	---	---	---	---	0.810	0.182	0.068	0.155	0.082	0.058	---	---	0.228	1981
1982	---	---	---	---	1.28	1.15	0.457	1.54	1.35	0.577	---	---	1.08	1982
1983	---	---	---	---	0.393	0.578	0.233	0.187	0.182	0.107	---	---	0.276	1983
1984	---	---	---	---	0.820	0.788	0.498	0.389	1.18	0.348	---	---	0.803	1984
1985	---	---	---	---	0.818	0.893	0.418	0.815	0.885	0.501	---	---	0.889	1985
1986	---	---	---	---	0.514	0.518	0.357	0.276	0.374	0.242	---	---	0.379	1986
1987	---	---	---	---	0.524	0.284	0.528	0.487	0.448	0.375	---	---	0.442	1987
1988	---	---	---	---	0.639	0.908	0.547	1.28	1.57	0.481	---	---	0.900	1988
1989	---	---	---	---	0.381	0.883	0.348	0.209	0.918	0.338	---	---	0.500	1989
1970	---	---	---	---	0.504	1.00	0.572	0.373	0.843	0.503	---	---	0.847	1970
1971	---	---	---	---	0.423	0.211	0.181	0.143	0.113	0.088	---	---	0.188	1971
1972	---	---	---	---	0.403	0.848	0.844	0.800	0.400	0.201	---	---	0.482	1972
1973	---	---	---	---	0.223	0.432	0.224	0.444	0.597	0.282	---	---	0.382	1973
1974	---	---	---	---	0.638	0.889	0.570	0.707	0.578	0.056	---	---	0.539	1974
1975	---	---	---	---	0.587	1.14	0.378	0.167	0.781	0.171	---	---	0.533	1975
1976	---	---	---	---	0.400	0.857	0.184	0.226	0.829	0.529	0.118	---	0.430	1976
1977	---	---	---	---	0.472	0.481	0.085	0.288	0.882	0.329	---	---	0.367	1977
1978	---	---	---	---	0.315	0.488	0.232	0.597	0.781	0.175	---	---	0.428	1978
1979	---	---	---	---	0.294	0.503	0.348	0.727	0.350	0.035	---	---	0.378	1979
1980	---	---	---	---	0.735	1.25	0.425	0.807	0.849	0.070	---	---	0.651	1980
1981	---	---	---	---	0.784	0.414	2.12	0.381	0.183	0.078	---	---	0.884	1981
1982	---	---	---	---	0.252	0.255	0.138	0.237	0.175	---	---	---	---	1982
1983	---	---	---	---	0.118	0.271	0.281	0.209	0.503	0.380	---	---	0.288	1983
1984	---	---	---	---	0.178	0.473	0.278	0.388	0.287	0.148	0.015	---	0.292	1984
MEAN	---	---	---	---	0.508	0.609	0.405	0.449	0.619	0.284	0.068	---	0.485	MEAN

LOCATION - LAT 50 51 30 N
LONG 113 21 05 W REGULATED

CAIRN HILL SPILLWAY NEAR THE MOUTH - STATION NO. 05BM012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	2.83 ON SEP 23	0 ON JUL 11 *	3 870	1980
1981	---	1.98 ON MAY 3	0.008 ON MAY 23	3 830	1981
1982	---	2.97 ON SEP 9	0.017 ON OCT 30	15 800	1982
1983	---	3.14 ON JUN 23	0.028 ON OCT 31	4 380	1983
1984	---	2.83 ON JUN 15	0.008 ON MAY 1	10 500	1984
1985	---	2.83 ON JUL 9	0.025 ON OCT 29	10 600	1985
1986	---	2.48 ON JUL 3	0.008 ON OCT 30	6 030	1986
1987	---	1.38 ON MAY 28	0.014A ON OCT 28	7 030	1987
1988	---	2.17 ON SEP 22	0.014E ON MAY 1	14 300	1988
1989	---	2.81 ON JUN 26	0.0018 ON OCT 30	7 950	1989
1970	---	2.78 ON JUN 14	0.024 ON OCT 30	10 300	1970
1971	---	1.28 ON MAY 18	0.037A ON OCT 25	3 110	1971
1972	---	1.59 ON AUG 14	0.028 ON MAY 3	7 880	1972
1973	---	3.08 ON AUG 28	0.012 ON OCT 21	5 780	1973
1974	---	1.82 ON AUG 16	0.013 ON OCT 24	8 580	1974
1975	---	2.27 ON JUN 9	0.013 ON OCT 25	8 470	1975
1976	---	2.50 ON OCT 3	0.078 ON JUL 15	8 840	1976
1977	---	1.73 ON AUG 30	0.017E ON OCT 31	8 150	1977
1978	---	1.88 ON AUG 18	0.012 ON OCT 31	8 770	1978
1979	---	1.41 ON AUG 9	0.005E ON OCT 31	5 980	1979
1980	---	3.82 ON MAY 27 *	0.010E ON OCT 31	10 300	1980
1981	---	3.37 ON JUL 15	0.029 ON OCT 22	10 600	1981
1982	---	---	---	---	1982
1983	---	1.42 ON OCT 1	0.013A ON OCT 27	4 550	1983
1984	---	1.74 ON JUL 31	0.027 ON MAY 1	4 640	1984
				7 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CALLUM CREEK AT WALDRON'S RANCH - STATION NO. 05AA029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.239	0.364	0.441	0.395	0.115	0.087	0.041	0.042	---	---	0.212	1973
MEAN	---	---	0.239	0.364	0.441	0.395	0.115	0.087	0.041	0.042	---	---	0.212	MEAN

LOCATION - LAT 49 49 37 N LONG 114 07 56 W DRAINAGE AREA, 189 km^2 NATURAL FLOW

CALLUM CREEK AT WALDRON'S RANCH - STATION NO. 05AA029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	1.38 ON MAY 26 *	0.031 ON SEP 30 *	4 490	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 490	MEAN

CALUMET RIVER NEAR FORT MACKAY - STATION NO. 07DA014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	0.234	0.312	0.207	0.071	0.007	---	1975
1976	0.003	0	0	1.42	0.251	0.040	0.081	0.120	0.061	0.135	0.028	0.001	0.178	1976
1977	0	0	0	0.084	0.082	0.075	0.238	0.042	0.047	0.109	0.042	0.003	0.059	1977
MEAN	0.002	0	0	0.752	0.167	0.058	0.160	0.132	0.140	0.147	0.048	0.004	0.118	MEAN

LOCATION - LAT 57 24 12 N LONG 111 40 57 W DRAINAGE AREA, 183 km^2 NATURAL FLOW

CALUMET RIVER NEAR FORT MACKAY - STATION NO. 07DA014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	3.71 A ON APR 15 *	0B ON JAN 27 *	5 550	1976
1977	0.816 AT 07:45 MST ON JUN 5 *	0.803 ON JUL 10	0B ON JAN 1	1 650	1977
				3 720	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMERON CREEK AT WATERTON PARK - STATION NO. 05AD006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	0.459	0.766	0.784	1.11	4.44	12.7	5.22	1.87	1.87	0.825	0.907	0.504	2.85	1916
1917	0.388	0.347	0.295	0.402	10.0	12.4	4.47	0.881	0.528	0.487	0.472	1.04	2.88	1917
1918	0.805	0.431	0.427	1.87	5.10	7.08	1.78	1.08	0.887	0.725	0.475	0.341	1.75	1918
1919	0.387	0.414	0.441	1.91	5.04	4.08	1.30	0.528	0.300	0.338	0.455	0.338	1.38	1919
1920	0.347	0.378	0.285	---	---	---	---	---	---	---	---	---	---	1920
MEAN	0.470	0.468	0.448	1.32	5.40	5.18	3.44	1.05	0.848	0.543	0.578	0.555	2.12	MEAN

LOCATION - LAT 49 03 06 N, LONG 113 54 57 W. DRAINAGE AREA, 78.7 km². NATURAL FLOW

CAMERON CREEK AT WATERTON PARK - STATION NO. 05AD006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	23.4 ON JUN 18	0.0288 ON DEC 31 *	83 700	1916
1917	---	26.7 A ON JUN 9 *	0.283A ON MAR 17	84 900	1917
1918	---	14.8 ON JUN 10	0.2328 ON DEC 24	85 200	1918
1919	---	13.8 ON MAY 27	0.2278 ON NOV 28	43 800	1919
1920	---	0.7088 ON JAN 28	0.2108 ON MAR 10	---	1920
				88 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMERON LATERAL SPILL TO CHIN RESERVOIR - STATION NO. 05AG011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	1.37	---	---	---	1966
1967	---	---	---	---	0.832	0.350	0.896	1.17	1.52	0.883	---	---	0.988	1967
1968	---	---	---	---	0.377	1.30	0.895	1.44	1.21	0.720	---	---	0.953	1968
1969	---	---	---	---	0.528	1.10	0.440	0.848	---	---	---	---	---	1969
1970	---	---	---	---	0.427	0.738	0.585	0.568	0.818	0.597	---	---	0.620	1970
1971	---	---	---	---	0.218	0.741	0.332	0.707	0.494	0.848	---	---	0.555	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
MEAN	---	---	---	---	0.478	0.848	0.810	0.847	1.01	0.884	---	---	0.772	MEAN

LOCATION - LAT 48 46 30 N, LONG 112 27 40 W. REGULATED

CAMERON LATERAL SPILL TO CHIN RESERVOIR - STATION NO. 05AG011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	2.75 ON SEP 24 *	0 ON MAY 1 *	15 200	1967
1968	---	2.42 ON JUN 9	0 ON MAY 4	15 200	1968
1969	---	1.95 ON JUN 25	0 ON MAY 4	---	1969
1970	---	1.95 ON JUN 15	0 ON MAY 1	9 850	1970
1971	---	1.38 ON JUN 11	0 ON MAY 2	8 830	1971
1972	---	---	0 ON MAY 18	---	1972
				12 300	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAMROSE CREEK AT CAMROSE - STATION NO. 05AC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	0.188	0.085	0.014	0.011	0.001	0	---	0	---	1928
1929	0	0	0.010	0.071	0.001	0	0	0	0	0.052	0.025	0	0.013	1929
1930	0	0	0.002	0.008	0	0	0.001	---	0	---	---	---	---	1930
MEAN	0	0	0.006	0.039	0.063	0.022	0.005	0.005	0	0.026	0.025	0	0.013	MEAN

LOCATION - LAT 53 01 00 N, LONG 112 50 00 W. DRAINAGE AREA, 486 km². NATURAL FLOW

CAMROSE CREEK AT CAMROSE - STATION NO. 05FA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1928	---	---	0 ON JUL 11 *	---	1928
1929	---	0.1788 ON APR 15 *	0 ON JAN 1	418	1929
1930	---	0.037 ON APR 1	0 ON JAN 1	---	1930
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		418	MEAN

CANADA LAND AND IRRIGATION CO. CANAL NEAR INTAKE - STATION NO. 05BM005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	0	0	2.84	4.94	5.27	5.26	5.27	1.23	---	3.47	1922
1923	---	---	---	0	0.804	0.392	4.17	5.88	4.93	0.712	0	---	2.12	1923
1924	---	---	---	0.084	1.51	3.52	5.22	5.85	5.61	1.56	0	---	2.93	1924
1925	---	---	---	0	0.080	0.384	0.480	0.587	0.544	0.078	0	---	0.265	1925
1926	---	---	---	1.98	5.72	5.84	6.44	7.59	0	0	0	---	3.45	1926
1928	---	---	---	1.34	5.16	4.73	0.505	0.639	5.18	5.21	0	---	2.85	1928
1929	---	---	---	1.38	5.49	0.403	4.85	7.51	7.22	7.15	1.40	---	4.48	1929
1930	---	---	---	5.47	7.21	5.84	7.13	6.87	6.32	---	---	---	---	1930
MEAN	---	---	---	1.28	3.24	3.04	4.21	5.15	4.51	3.00	0.376	---	2.79	MEAN

LOCATION - LAT 50 48 00 N
LONG 113 28 30 W REGULATED

CANADA LAND AND IRRIGATION CO. CANAL NEAR INTAKE - STATION NO. 05BM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	5.85 ON AUG 22	0 ON APR 1 *	73 000	1922
1923	---	8.74 ON AUG 8	0 ON APR 1	44 800	1923
1924	---	7.05 ON SEP 6	0 ON APR 1	61 900	1924
1925	---	0.883 ON AUG 15	0 ON APR 1	5 580	1925
1926	---	7.80 ON AUG 17	0 ON APR 1	72 500	1926
1928	---	7.79 ON MAY 23	0 ON APR 1	80 000	1928
1929	---	8.52 ON AUG 7 *	0 ON APR 1	94 000	1929
1930	---	8.04 ON JUL 18	---	---	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		58 800	MEAN

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	0.118	11.4	31.4	15.6	20.3	8.37	4.21	---	---	13.0	1956
1957	---	---	---	0	17.1	35.4	29.7	28.1	19.2	10.4	---	---	20.0	1957
1958	---	---	---	0.350	8.18	24.1	26.1	28.2	20.1	13.6	---	---	17.3	1958
1959	---	---	0.048	0.001	3.53	20.1	19.6	31.2	19.4	14.3	---	---	15.5	1959
1960	---	---	---	0.488	7.27	21.7	41.6	41.4	28.7	19.3	---	---	22.7	1960
1961	---	---	0.117	0.327	17.0	45.0	38.9	26.2	26.4	8.67	10.3	8.94	23.5	1961
1962	0.104	0.052	0.280	20.8	41.8	47.3	44.9	30.1	19.3	14.1	3.23	---	31.2	1962
1963	---	---	0.003	5.17	36.0	51.1	31.0	30.7	28.8	19.5	---	---	28.9	1963
1964	---	---	0.004	0.017	4.38	26.2	46.1	46.7	18.0	9.88	---	---	22.4	1964
1965	---	---	0.080	0.074	5.84	11.7	8.54	26.4	5.98	5.28	---	---	8.32	1965
1966	---	---	0.003	0	11.6	7.03	13.6	21.4	14.8	9.78	---	---	11.2	1966
1967	---	---	---	0.021	0.412	6.92	36.1	29.8	34.2	23.0	---	---	18.7	1967
1968	---	---	---	2.81	19.2	26.0	40.8	32.0	13.5	5.58	---	---	20.1	1968
1969	---	---	---	0.074	17.0	29.3	20.9	35.4	36.7	8.58	---	---	21.1	1969
1970	---	---	---	5.88	21.8	35.7	37.7	38.3	22.3	8.48	---	---	24.0	1970
1971	---	---	---	1.58	14.1	32.2	46.5	42.0	24.7	12.8	---	---	24.8	1971
1972	---	---	---	0	13.4	12.8	40.6	49.8	28.8	6.19	---	---	21.9	1972
1973	---	---	---	0	38.2	42.0	55.2	50.3	22.0	7.87	---	---	30.8	1973
1974	---	---	---	0	13.1	39.8	59.3	38.8	30.1	13.3	---	---	27.8	1974
1975	---	---	---	0.234	0.136	7.58	37.2	36.7	18.1	8.31	---	---	15.3	1975
1976	---	---	---	2.40	33.8	46.5	52.0	28.3	20.4	17.7	---	---	28.1	1976
1977	---	---	---	5.88	42.0	56.4	60.1	46.1	23.3	5.84	---	---	34.6	1977
1978	---	---	---	0	0.809	9.87	41.8	30.6	5.85	3.98	---	---	13.5	1978
1979	---	---	---	0	4.91	46.2	61.4	41.6	23.8	16.8	---	---	28.2	1979
1980	---	---	---	0.417	41.9	33.2	46.9	41.8	31.3	13.6	---	---	30.0	1980
1981	---	---	---	0.594	28.1	36.3	57.7	30.5	33.9	28.1	---	---	30.0	1981
1982	---	---	---	14.3	39.5	39.5	53.6	51.2	27.5	6.10	---	---	33.2	1982
1983	---	---	---	3.61	22.8	51.7	55.9	52.3	45.7	8.48	---	---	34.2	1983
1984	---	---	---	1.84	35.8	61.8	55.5	59.7	51.7	26.5	---	---	43.3	1984
MEAN	0.104	0.052	0.088	3.30	19.1	32.3	40.9	38.7	24.3	12.1	8.77	8.94	24.0	MEAN

LOCATION - LAT 49 26 05 N
LONG 112 41 53 W REGULATED

CANADIAN ST. MARY CANAL AT DROP NO. 1 - STATION NO. 05AF025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	47.3 ON JUN 15	0 ON OCT 28 *	241 000	1956
1957	---	88.2 ON JUN 7	0 ON APR 1	370 000	1957
1958	---	28.7 ON JUL 27	0 E ON APR 1	319 000	1958
1959	---	32.8 ON AUG 20	0 ON APR 1	288 000	1959
1960	---	52.1 ON AUG 7	0 ON OCT 28	420 000	1960
1961	---	57.5 ON JUN 14	0.025 ON APR 30	438 000	1961
1962	---	52.4 ON JUN 13	0.017 ON APR 8	577 000	1962
1963	---	58.8 ON JUN 20	0.008E ON APR 1	534 000	1963
1964	---	56.8 ON JUL 25	0 E ON APR 13	414 000	1964
1965	---	43.0 ON AUG 4	0 ON MAY 1	172 000	1965
1966	---	30.0 ON JUL 25	0 ON APR 1	208 000	1966
1967	---	54.9 ON JUL 18	0 ON APR 14	348 000	1967
1968	---	53.8 ON JUL 23	0 ON APR 1	372 000	1968
1969	---	44.2 ON JUN 22	0 ON APR 23	391 000	1969
1970	---	62.6 ON JUN 10	0 ON APR 1	445 000	1970
1971	---	61.2 ON JUL 22	0 ON APR 1	481 000	1971
1972	---	53.0 ON AUG 10	0 E ON APR 1	405 000	1972
1973	---	62.9 ON JUL 14	0 ON APR 1	572 000	1973
1974	---	64.3 ON JUL 28	0 E ON APR 1	515 000	1974
1975	---	56.9 ON JUL 19	0 ON APR 1	283 000	1975
1976	---	58.6 ON JUN 12	0 ON APR 1	538 000	1976
1977	---	65.1 ON JUN 11	0 E ON APR 1	640 000	1977
1978	---	52.4 ON JUL 17	0 ON APR 1	250 000	1978
1979	---	66.9 ON JUL 17	0 ON APR 1	521 000	1979
1980	---	56.6 ON JUN 28	0 A ON APR 1	534 000	1980
1981	---	63.4 ON JUL 8	0 ON APR 1	555 000	1981
1982	---	65.4 ON JUN 29	0 E ON APR 1	614 000	1982
1983	---	62.1 ON AUG 14	0 ON APR 1	533 000	1983
1984	---	75.3A ON JUL 28 *	0 ON APR 1	801 000	1984
				444 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.537	9.00	8.78	6.29	5.64	5.92	1.68	0	---	4.87	1915
1916	---	---	---	0.430	5.98	5.33	7.18	7.19	4.83	0.839	0	---	4.01	1916
1917	---	---	---	0.298	3.38	7.70	11.8	11.4	8.53	4.31	0	---	5.72	1917
1918	---	---	---	0.395	11.1	15.8	16.5	13.0	10.8	4.53	0	---	8.05	1918
1919	---	---	---	1.13	10.8	20.3	16.1	10.8	8.13	2.75	0	---	8.54	1919
1920	---	---	---	0.384	3.37	15.2	22.4	14.9	13.7	13.7	1.98	---	10.9	1920
1921	---	---	---	3.88	10.3	22.7	24.0	15.3	11.3	15.8	0	---	13.0	1921
1922	---	---	---	1.02	11.8	19.7	19.5	14.7	9.25	8.48	0.826	---	10.4	1922
1923	---	---	---	0.826	11.8	19.1	17.4	13.8	18.8	9.52	0.063	---	11.2	1923
1924	---	---	---	0.820	13.9	19.3	22.8	14.2	10.1	5.71	0	---	10.8	1924
1925	---	---	---	0	12.2	22.8	20.1	14.7	11.4	3.84	0	---	10.8	1925
1926	---	---	---	4.98	18.2	15.3	13.1	8.37	11.1	8.62	0	---	9.35	1926
1927	---	---	---	0.562	8.85	8.78	11.2	14.2	12.9	4.92	0	---	7.18	1927
1928	---	---	---	0	8.81	13.8	4.01	9.03	12.0	1.31	0	---	8.22	1928
1929	---	---	---	0	8.89	5.70	13.4	9.88	8.38	3.21	0	---	5.95	1929
1930	---	---	---	1.44	8.72	20.5	19.4	10.7	8.80	4.38	0	---	9.26	1930
1931	---	---	0.304	3.34	17.8	20.3	14.7	12.1	10.7	7.48	2.40	---	11.1	1931
1932	---	---	---	4.50	11.3	14.2	19.1	12.0	9.26	5.85	0	---	8.87	1932
1933	---	---	---	0.633	8.89	22.7	23.1	18.0	11.8	4.88	0	---	10.7	1933
1934	---	---	---	1.89	19.0	14.8	15.3	11.8	8.89	4.85	0	---	9.58	1934
1935	---	---	---	0.443	8.02	20.9	23.2	13.2	7.84	3.87	0	---	9.70	1935
1936	---	---	---	3.84	13.9	20.7	15.0	8.84	4.74	3.18	0.372	---	8.76	1936
1937	---	---	---	2.78	22.8	23.0	22.1	11.0	8.77	0.869	0	---	11.2	1937
1938	---	---	---	8.13	12.3	24.5	21.3	11.0	8.88	2.52	0	---	10.8	1938
1939	---	---	---	5.30	24.0	8.97	13.2	8.78	5.81	2.02	1.01	0.388	8.88	1939
1940	---	---	---	4.80	14.0	25.5	14.7	7.44	8.01	7.81	0	---	10.3	1940
1941	---	---	---	2.75	18.1	14.7	15.7	8.29	8.28	8.38	0	---	9.31	1941
1942	---	---	---	4.29	11.8	8.17	15.1	11.7	8.58	8.88	0	---	8.58	1942
1943	---	---	---	2.11	8.08	22.7	29.8	18.4	10.1	5.80	0	---	12.3	1943
1944	---	---	---	2.78	18.0	22.4	15.4	11.2	7.88	5.48	0.084	---	10.4	1944
1945	---	---	---	2.82	10.7	12.1	18.8	10.0	8.48	5.88	0.815	0.307	8.71	1945
1946	---	---	---	2.83	22.8	18.0	21.0	12.1	11.0	7.88	4.40	---	13.8	1946
1947	---	---	---	0	7.88	14.8	22.2	13.1	10.3	12.8	0	---	10.1	1947
1948	---	---	---	0	3.02	8.40	18.4	13.3	8.88	8.87	0	---	8.84	1948
1949	---	---	---	8.16	16.9	14.7	18.2	9.30	8.82	8.81	0.080	---	10.2	1949
1950	---	---	---	5.08	14.1	23.8	22.3	20.7	8.28	15.8	11.8	---	15.4	1950
1951	---	---	---	0	12.0	19.7	21.9	15.4	2.20	0	0	---	8.98	1951
MEAN	---	---	0.304	2.11	12.0	18.8	17.4	12.0	9.12	5.78	0.643	0.337	9.48	MEAN

LOCATION - LAT 49 04 31 N
LONG 113 12 43 W REGULATED

CANADIAN ST. MARY CANAL AT KIMBALL - STATION NO. 05AE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	10.5 ON MAY 24	0 ON APR 1 *	103 000	1915
1916	---	10.1 ON MAY 21	0 ON APR 1	84 400	1916
1917	---	12.7 ON JUL 23	0 ON APR 1	121 000	1917
1918	---	19.4 ON JUN 30	0 ON APR 1	191 000	1918
1919	---	22.0 ON JUN 28	0 ON APR 1	160 000	1919
1920	---	24.4 ON JUL 3	0 ON APR 1	229 000	1920
1921	---	27.3 ON JUN 28	0 ON APR 1	275 000	1921
1922	---	24.7 ON JUL 5	0 ON APR 1	220 000	1922
1923	---	20.7 ON MAY 31	0 ON APR 1	238 000	1923
1924	---	28.8 ON JUL 19	0 ON APR 1	229 000	1924
1925	---	24.7 ON JUN 11	0 ON APR 1	224 000	1925
1926	---	19.1 ON JUN 8	0 ON APR 1	187 000	1926
1927	---	15.8E ON AUG 10	0 ON APR 1	151 000	1927
1928	---	25.3 ON JUN 4	0 ON APR 1	131 000	1928
1929	---	17.2 ON JUL 5	0 ON APR 1	128 000	1929
1930	---	28.3 ON JUN 30	0 ON APR 1	195 000	1930
1931	---	21.8 ON AUG 1	0 ON NOV 15	235 000	1931
1932	---	24.8 ON JUN 15	0 ON APR 1	202 000	1932
1933	---	27.5 ON JUN 15	0 ON APR 1	228 000	1933
1934	---	27.0 ON MAY 30	0 ON APR 1	202 000	1934
1935	---	28.3 ON JUN 20	0 ON APR 1	205 000	1935
1936	---	27.5 ON JUN 27	0 ON APR 1	185 000	1936
1937	---	30.9 ON JUL 5	0 ON APR 1	238 000	1937
1938	---	30.0 ON JUN 23	0 ON APR 1	228 000	1938
1939	---	28.8 ON MAY 18	0 ON APR 1	187 000	1939
1940	---	30.3 ON JUN 13	0 ON APR 1	217 000	1940
1941	---	22.2 ON JUL 4	0 ON APR 1	188 000	1941
1942	---	22.2 ON JUL 24	0 ON APR 1	180 000	1942
1943	---	31.1A ON JUN 29 *	0 ON APR 1	259 000	1943
1944	---	24.9 ON JUN 30	0 ON APR 1	220 000	1944
1945	---	25.8 ON JUL 18	0 ON APR 1	184 000	1945
1946	---	28.2 ON MAY 18	0 ON APR 1	283 000	1946
1947	---	28.7 ON JUL 10	0 ON APR 1	214 000	1947
1948	---	22.6 ON JUL 21	0 ON APR 1	144 000	1948
1949	---	28.3 ON MAY 14	0 ON APR 1	218 000	1949
1950	---	28.6 ON JUN 22	0 ON APR 1	324 000	1950
1951	---	27.8 ON MAY 23	0 ON APR 1	189 000	1951
				200 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL NEAR MAGRATH - STATION NO. 05AE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	8.10	12.6	14.6	10.2	8.37	5.77	---	---	8.25	1918
1919	---	---	---	0	8.88	17.8	15.0	9.10	5.74	1.83	---	---	8.01	1919
1920	---	---	---	0	0.501	11.5	13.6	12.5	11.2	10.5	---	---	8.58	1920
1921	---	---	---	1.81	8.88	19.3	20.6	14.8	10.0	11.3	---	---	12.4	1921
1922	---	---	---	0.382	8.48	16.4	14.1	13.2	7.80	3.88	---	---	8.21	1922
1923	---	---	---	0	8.24	8.91	9.40	9.73	8.57	8.80	---	---	7.80	1923
1924	---	---	---	0	10.6	12.2	19.3	12.8	9.14	8.24	---	---	9.98	1924
1925	---	---	---	0	8.88	18.7	15.1	13.3	10.4	2.80	---	---	9.63	1925
1926	---	---	---	3.88	13.7	13.0	11.5	7.40	8.82	1.17	---	---	8.81	1926
1927	---	---	---	0	4.10	4.18	8.88	10.7	8.82	3.88	---	---	5.80	1927
1928	---	---	---	0	7.87	8.88	3.24	7.03	10.5	0.887	---	---	5.84	1928
1929	---	---	---	0	8.87	1.84	10.4	8.38	8.81	4.80	---	---	5.18	1929
1930	---	---	---	0.282	8.42	17.8	17.8	8.84	8.82	2.82	---	---	8.80	1930
1931	---	---	---	2.71	18.0	17.7	13.8	11.0	8.87	7.82	---	---	11.0	1931
1932	---	---	---	1.08	8.74	11.2	16.8	10.7	8.22	4.73	---	---	8.88	1932
1933	---	---	---	0	3.87	17.7	16.5	13.5	8.38	3.81	---	---	8.80	1933
1934	---	---	---	0.884	18.1	11.8	13.9	10.8	8.88	3.88	---	---	8.48	1934
1935	---	---	---	0	8.80	17.8	19.0	10.8	8.74	3.88	---	---	9.07	1935
1936	---	---	---	0.317	8.10	14.3	13.7	7.08	3.88	2.82	---	---	7.19	1936
1937	---	---	---	2.87	18.1	17.4	19.0	8.83	8.77	0.838	---	---	10.8	1937
1938	---	---	---	4.84	10.2	21.4	17.8	10.2	7.47	2.48	---	---	10.8	1938
1939	---	---	---	3.31	18.8	4.28	10.4	8.81	4.71	1.82	---	---	7.48	1939
1940	---	---	---	0.482	11.9	21.8	13.8	8.38	7.28	7.48	---	---	8.84	1940
1941	---	---	---	1.82	13.3	12.0	14.8	7.88	8.08	4.08	---	---	8.80	1941
1942	---	---	---	2.82	7.43	8.88	12.8	8.00	8.48	8.84	---	---	7.09	1942
1943	---	---	---	1.03	8.11	18.3	21.8	15.8	8.83	8.21	---	---	11.0	1943
1944	---	---	---	2.22	15.8	17.4	13.4	8.71	8.78	4.74	---	---	10.0	1944
1945	---	---	---	2.48	8.28	8.12	18.8	8.82	7.43	8.28	---	---	8.18	1945
1946	---	---	---	1.24	18.8	12.8	17.8	10.9	8.20	4.88	0.330	---	10.9	1946
1947	---	---	---	0	8.88	8.88	20.4	10.2	8.08	8.08	0.018	---	8.18	1947
1948	---	---	---	0	1.38	3.82	13.8	11.8	7.21	4.02	0.001	---	5.85	1948
1949	---	---	---	3.87	11.8	11.7	18.8	11.7	10.0	7.23	0.283	---	10.7	1949
1950	---	---	---	1.08	8.18	20.8	17.8	17.8	13.8	8.88	---	---	12.4	1950
1951	---	---	---	0	2.01	8.37	8.22	13.1	2.33	4.73	---	---	4.71	1951
MEAN	---	---	---	1.18	8.30	13.0	14.7	10.7	8.01	4.82	0.157	---	8.80	MEAN

LOCATION - LAT 49 28 08 N
LONG 112 48 47 W REGULATED

CANADIAN ST. MARY CANAL NEAR MAGRATH - STATION NO. 05AE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	18.1 ON JUL 13	0 ON APR 1 *	153 000	1918
1919	---	21.0 ON JUN 24	0 ON APR 1	148 000	1919
1920	---	21.8 ON JUL 3	0 ON APR 1	158 000	1920
1921	---	24.6A ON JUN 28	0 ON APR 1	230 000	1921
1922	---	21.4 ON JUN 20	0 ON APR 1	170 000	1922
1923	---	18.1 ON MAY 31	0 ON APR 1	144 000	1923
1924	---	25.8 ON JUL 20	0 ON APR 1	184 000	1924
1925	---	20.7 ON JUL 18	0 ON APR 1	178 000	1925
1926	---	17.8 ON JUN 10	0 ON APR 1	159 000	1926
1927	---	12.8 ON AUG 11	0 ON APR 1	109 000	1927
1928	---	25.0E ON JUN 5	0 ON APR 1	102 000	1928
1929	---	12.1 ON JUL 10	0 ON APR 1	95 700	1929
1930	---	23.7 ON JUL 1	0 ON APR 1	183 000	1930
1931	---	19.7 ON JUN 24	0.566 ON APR 1	204 000	1931
1932	---	17.4 ON JUL 15	0 ON APR 1	161 000	1932
1933	---	24.7 ON JUN 21	0 ON APR 1	178 000	1933
1934	---	24.3 ON MAY 30	0 ON APR 1	175 000	1934
1935	---	22.7 ON JUL 1	0 ON APR 1	188 000	1935
1936	---	23.0 ON JUN 27	0 ON APR 1	133 000	1936
1937	---	27.0 ON JUL 7	0 ON APR 1	196 000	1937
1938	---	28.2 ON JUN 22 *	0 ON APR 1	187 000	1938
1939	---	27.8 ON MAY 18	0 ON APR 1	138 000	1939
1940	---	25.9 ON JUN 14	0 ON APR 1	182 000	1940
1941	---	20.8 ON JUL 1	0 ON APR 1	163 000	1941
1942	---	21.0 ON JUL 24	0 ON APR 1	131 000	1942
1943	---	25.5 ON JUN 28	0 ON APR 1	203 000	1943
1944	---	22.5 ON JUL 1	0 ON APR 1	185 000	1944
1945	---	21.7 ON JUL 14	0 ON APR 1	151 000	1945
1946	---	23.4 ON MAY 27	0 ON APR 1	202 000	1946
1947	---	25.3 ON JUL 11	0 ON APR 1	152 000	1947
1948	---	19.7 ON JUL 23	0 ON APR 1	110 000	1948
1949	---	21.7 ON JUL 11	0 ON APR 1	198 000	1949
1950	---	26.6 ON JUN 21	0 ON APR 1	229 000	1950
1951	---	20.3 ON AUG 8	0 ON APR 1	87 000	1951
				183 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1952	---	---	---	0	6.80	16.8	19.7	21.0	14.6	8.80	---	---	12.5	1952
1953	---	---	---	0	5.67	4.48	19.8	26.3	20.9	10.1	---	---	12.5	1953
1954	---	---	0	0.228	11.4	23.8	42.4	19.9	9.24	5.72	0.006	---	16.2	1954
1955	---	---	---	0.026	0.623	21.0	13.4	23.4	17.1	10.7	---	---	12.3	1955
1956	---	---	---	0.007	13.8	32.8	14.2	22.0	9.70	6.82	---	---	14.2	1956
1957	---	---	---	0	22.5	34.7	31.6	28.7	19.9	10.1	---	---	21.1	1957
1958	---	---	---	0.003	9.54	23.4	27.1	28.9	45.8	16.8	---	---	21.6	1958
1959	---	---	0.014	0.007	0.395	17.9	25.5	34.6	16.8	23.8	---	---	17.3	1959
1960	---	---	---	0.010	0.066	18.8	44.8	49.6	31.2	16.2	---	---	23.0	1960
1961	---	---	0.004	0	18.5	88.7	40.4	24.8	27.6	9.75	---	---	26.8	1961
1962	---	---	0.008	4.89	47.5	58.7	44.3	25.9	14.5	8.64	14.8	---	29.2	1962
1963	---	---	0	20.8	49.9	55.9	30.4	33.3	25.3	9.68	---	---	32.2	1963
1964	---	---	---	0.873	8.88	35.8	50.7	49.0	16.8	4.55	---	---	23.9	1964
1965	---	---	0.001	0.017	7.72	10.9	6.48	28.9	4.88	0.447	---	---	8.52	1965
1966	---	---	0.004	0.003	5.74	19.0	15.2	19.4	8.93	14.5	---	---	12.0	1966
1967	---	---	---	0.008	0.020	0.135	30.7	19.8	37.0	26.1	---	---	16.2	1967
1968	---	---	---	0.870	31.2	28.7	49.4	27.0	2.81	15.2	---	---	22.5	1968
1969	---	---	---	0.007	18.4	33.3	23.1	38.7	31.2	4.44	---	---	21.3	1969
1970	---	---	---	0	30.5	48.3	40.5	35.3	28.3	3.72	---	---	26.7	1970
1971	---	---	---	0.004	16.1	31.9	50.8	42.9	23.8	10.9	---	---	25.3	1971
1972	---	---	---	0.013	15.8	13.6	48.2	53.0	24.2	5.11	---	---	22.7	1972
1973	---	---	---	0	41.0	49.9	54.2	43.0	24.8	8.04	---	---	31.7	1973
1974	---	---	---	0.612	17.1	40.1	55.8	37.3	33.3	15.1	---	---	28.7	1974
1975	---	---	---	0.120	0.198	1.99	32.4	33.5	15.4	14.3	---	---	14.1	1975
1976	---	---	---	2.23	39.0	54.9	57.8	27.5	17.8	13.8	---	---	30.5	1976
1977	---	---	---	8.28	50.4	54.2	55.5	38.1	16.5	3.18	---	---	32.4	1977
1978	---	---	---	16.2	5.88	10.3	48.2	24.8	1.25	0.099	---	---	15.1	1978
1979	---	---	---	0.083	7.37	52.1	50.6	30.7	13.7	39.8	---	---	29.3	1979
1980	---	---	---	1.11	48.1	38.2	50.9	39.4	27.7	12.1	---	---	30.9	1980
1981	---	---	---	4.16	28.1	33.7	58.7	30.7	35.4	26.6	---	---	31.1	1981
1982	---	---	---	3.77	52.4	43.7	52.6	41.4	7.58	8.98	---	---	30.2	1982
1983	---	---	2.51	40.5	28.8	59.8	61.7	54.3	40.9	7.81	---	---	41.9	1983
1984	---	---	---	11.6	45.4	66.8	71.7	87.6	53.3	19.7	---	---	48.1	1984
MEAN	---	---	0.317	3.62	20.7	33.3	40.2	34.0	21.8	11.9	7.40	---	23.7	MEAN

LOCATION - LAT 48 20 38 N
LONG 113 02 35 W REGULATED

CANADIAN ST. MARY CANAL NEAR SPRING COULEE - STATION NO. 05AE028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1952	---	27.9 ON JUL 11	0 ON APR 1 *	232 000	1952
1953	---	27.2 ON AUG 15	0 ON APR 1	232 000	1953
1954	---	47.8 ON JUL 13	0 B ON APR 1	299 000	1954
1955	---	55.8 ON OCT 12	0 B ON APR 1	227 000	1955
1956	---	50.7 ON JUN 14	0 E ON APR 25	283 000	1956
1957	---	71.4 ON JUN 5	0 ON APR 1	380 000	1957
1958	---	56.8 ON SEP 12	0 ON APR 14	389 000	1958
1959	---	58.9 ON OCT 2	0 ON APR 20	321 000	1959
1960	---	62.3 ON AUG 9	0 ON MAY 9	424 000	1960
1961	---	76.9 ON JUN 19	0 E ON APR 1	495 000	1961
1962	---	63.1 ON JUN 19	0 ON APR 23	541 000	1962
1963	---	67.7 ON JUN 15	0 ON APR 1	595 000	1963
1964	---	64.0 ON JUL 29	0.005 ON APR 18	441 000	1964
1965	---	54.4 ON AUG 4	0 ON MAY 7	158 000	1965
1966	---	58.3 ON OCT 18	0 ON APR 8	222 000	1966
1967	---	52.4 ON SEP 28	0 ON APR 9	301 000	1967
1968	---	60.3 ON JUL 11	0 ON APR 10	415 000	1968
1969	---	49.3 ON JUN 19	0 B ON APR 10	394 000	1969
1970	---	72.6 ON JUN 12	0 ON APR 1	494 000	1970
1971	---	56.6 ON JUL 15	0 ON APR 9	488 000	1971
1972	---	57.5 ON JUL 17	0.0088 ON APR 1	419 000	1972
1973	---	83.7 ON MAY 28	0 ON APR 1	585 000	1973
1974	---	62.0 ON AUG 7	0 E ON APR 1	531 000	1974
1975	---	58.4 ON JUL 20	0 ON APR 1	281 000	1975
1976	---	63.7 ON JUN 1	0 ON APR 1	582 000	1976
1977	---	60.0 ON JUN 19	0 ON APR 1	800 000	1977
1978	---	50.1 ON JUL 22	0 E ON APR 1	270 000	1978
1979	---	64.2 ON JUL 11	0 ON APR 1	541 000	1979
1980	---	61.4 ON MAY 15	0 A ON APR 1	572 000	1980
1981	---	63.4 ON JUL 8	0 ON APR 1	578 000	1981
1982	---	65.2 ON JUN 28	0 E ON APR 1	559 000	1982
1983	---	70.2 ON JUL 11	0 ON OCT 21	774 000	1983
1984	---	77.0 ON JUL 28 *	0 ON APR 14	689 000	1984
				438 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANAL CREEK NEAR MANYBERRIES - STATION NO. 05AF009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	2.01	0.029	0	---	---	---	---	---	---	---	1917
1918	---	---	---	0.086	0	0	0	0	0	0	---	---	---	1918
1919	---	---	---	0.257	0.015	0.045	0	0	0.007	0	---	---	---	1919
1920	---	---	0.838	0.284	0.188	0.052	0	0	0	0	---	---	0.143	1920
1921	---	---	0.348	0.285	0.082	0.039	0.046	0.002	0.050	0	---	---	0.104	1921
1922	---	---	0.081	1.15	0.140	0.002	0.373	0.038	0.002	0	---	---	0.222	1922
1923	---	---	0.298	0.100	0.013	0.378	0.142	0.008	0	0	---	---	0.118	1923
1924	---	0.020	0	0.005	0	0.257	0.041	0.088	0	0	---	---	0.048	1924
1925	---	---	0.833	0.548	---	---	---	0.108	0	0	---	---	---	1925
1938	---	---	0.229	0.174	0	0	---	---	---	---	---	---	---	1938
MEAN	---	0.020	0.348	0.488	0.050	0.088	0.088	0.030	0.007	0	---	---	0.127	MEAN

LOCATION - LAT 49 13 50 N, LONG 110 45 00 W. DRAINAGE AREA, 179 km^2. NATURAL FLOW.

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1921

CANAL CREEK NEAR MANYBERRIES - STATION NO. 05AF009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	7.14 ON APR 8 *	0 ON MAY 24 *	---	1917
1918	---	---	0 ON MAY 2	---	1918
1919	---	---	0 ON APR 13	---	1919
1920	---	2.48 ON MAR 21	0 ON MAR 1	3 030	1920
1921	---	2.04 B ON MAR 28	0B ON MAR 9	2 200	1921
1922	---	3.84 ON JUL 8	0B ON MAR 1	4 700	1922
1923	---	3.43 ON JUN 21	0B ON MAR 14	2 480	1923
1924	---	3.40 ON JUN 7	0B ON MAR 1	1 030	1924
1925	---	8.38 ON MAR 22	0B ON MAR 1	---	1925
1938	---	0.8088 ON MAR 3	0B ON MAR 1	---	1938
				2 880	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CANYON CREEK NEAR MANY GLACIER - STATION NO. 05AE031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	0.785	0.588	0.410	0.444	---	---	---	1918
1919	---	---	---	---	1.58	0.972	0.837	0.381	0.183	---	---	---	---	1919
1920	---	---	---	---	---	---	1.54	0.880	0.804	0.421	---	---	---	1920
1921	---	---	---	---	---	2.76	1.27	0.490	0.484	0.809	---	---	---	1921
1922	---	---	---	---	2.35	2.73	1.11	0.643	0.333	0.198	---	---	1.21	1922
1923	---	---	---	---	1.81	2.84	1.22	0.704	0.328	0.425	---	---	1.15	1923
1924	---	---	---	---	1.42	2.24	1.13	0.813	0.287	---	---	---	---	1924
1925	---	---	---	---	1.92	2.54	1.40	0.881	0.520	0.333	---	---	1.23	1925
1926	---	---	---	---	0.825	0.979	0.848	0.400	0.778	---	---	---	---	1926
1927	---	---	---	---	0.872	3.37	1.89	0.898	1.45	1.06	---	---	1.58	1927
1928	---	---	---	---	---	2.10	1.51	0.847	0.434	1.12	---	---	---	1928
1929	---	---	---	---	1.88	1.90	0.928	0.402	0.203	0.253	---	---	0.927	1929
1930	---	---	---	---	1.58	1.89	1.06	0.438	0.535	0.277	---	---	0.982	1930
1931	---	---	---	---	1.70	1.18	0.688	0.551	0.845	0.284	---	---	0.834	1931
1932	---	---	---	---	---	1.58	0.804	0.473	0.245	0.315	---	---	---	1932
1933	---	---	---	---	---	2.49	1.29	0.598	0.424	1.06	---	---	---	1933
1934	---	---	---	---	2.83	2.81	0.933	0.442	0.202	0.247	---	---	1.34	1934
1935	---	---	---	---	---	1.88	0.989	0.453	0.401	0.233	---	---	---	1935
1936	---	---	---	---	---	1.81	0.736	0.371	0.218	0.184	---	---	---	1936
1937	---	---	---	---	---	---	0.885	0.462	0.177	0.402	---	---	---	1937
MEAN	---	---	---	---	1.70	2.11	1.08	0.539	0.444	0.480	---	---	1.14	MEAN

LOCATION - LAT 48 47 30 N
LONG 113 37 40 W
DRAINAGE AREA, 19.7 km²
NATURAL FLOW
INTERNATIONAL GAUGING STATION

CANYON CREEK NEAR MANY GLACIER - STATION NO. 05AE031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	---	---	---	1918
1919	5.13 ON MAY 28	4.11 ON MAY 29	---	---	1919
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	8.92 AT 14:30 MST ON JUN 1	7.89 ON MAY 19	0.147 ON OCT 17	18 200	1923
1924	4.67 AT 02:00 MST ON JUN 15	6.57 ON JUN 1	0.241 ON SEP 28	18 300	1924
1925	3.85 AT 23:00 MST ON JUN 21	3.91 ON JUN 15	---	---	1925
1926	1.78E ON SEP 1	3.80 ON JUN 21	0.278 ON OCT 17	18 800	1926
1927	7.42 AT 03:00 MST ON JUN 8	1.78E ON SEP 1	---	---	1927
1928	---	6.85 ON JUN 8	0.357 ON MAY 10	25 100	1928
1929	9.63 ON MAY 24	---	---	---	1929
1930	4.84 ON MAY 21	7.93 ON MAY 24	0.105 ON OCT 28	14 700	1930
1931	3.51 AT 01:00 MST ON MAY 17	3.48 ON JUN 8	0.178 ON OCT 31	15 800	1931
1932	---	3.14 ON MAY 15	0.113E ON OCT 31	13 200	1932
1933	---	---	---	---	1933
1934	20.6 E ON JUN 8 *	5.66E ON JUN 15	---	---	1934
1935	---	14.2 E ON JUN 8 *	0.071 ON SEP 28 *	19 700	1935
1936	3.09 AT 07:00 MST ON JUN 1	---	---	---	1936
1937	---	3.03 ON JUN 1	---	---	1937
MEAN		---	---	---	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

18 200

CARBONDALE CREEK AT EVAN'S RANCH - STATION NO. 05AA018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	13.3	22.2	11.9	4.58	2.83	1.43	2.14	---	---	1918
MEAN	---	---	---	---	13.3	22.2	11.9	4.58	2.83	1.43	2.14	---	---	MEAN

LOCATION - LAT 49 28 20 N
LONG 114 19 00 W
DRAINAGE AREA, 311 km²
NATURAL FLOW

CARBONDALE CREEK AT EVAN'S RANCH - STATION NO. 05AA018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1918	---	29.7 ON JUN 21 *	---	---	1918
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 06DD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	8.00	10.1	12.7	8.37	7.23	3.20	---	---	8.37	1982
1983	---	---	---	---	5.92	6.38	5.38	2.92	2.71	2.14	---	---	6.23	1983
1984	---	---	---	---	---	22.1	8.91	4.31	10.6	7.88	---	---	---	1984
1985	---	---	---	---	---	21.3	19.9	7.57	14.2	9.13	---	---	---	1985
1989	---	---	---	---	5.81	8.88	14.8	21.3	5.98	3.87	---	---	8.84	1989
1970	---	---	---	---	10.5	14.7	4.45	2.89	1.83	1.28	---	---	5.91	1970
1971	---	---	---	---	---	---	12.8	3.52	2.34	2.21	---	---	---	1971
1972	---	---	---	---	9.85	20.6	12.0	5.57	---	---	---	---	---	1972
1973	---	---	---	---	14.8	12.4	7.34	4.78	3.85	---	---	---	---	1973
1974	---	---	---	---	8.52	16.7	9.17	4.90	4.63	3.86	---	---	7.93	1974
1975	---	---	---	---	4.15	5.62	5.38	3.89	2.80	1.78	---	---	3.78	1975
1976	---	---	---	---	5.88	5.75	5.23	11.3	4.13	2.47	---	---	5.78	1976
1977	---	---	---	---	11.0	14.8	10.8	10.8	6.81	4.78	---	---	10.1	1977
1978	---	---	---	---	---	---	18.1	8.12	8.86	5.17	---	---	---	1978
1979	---	---	---	---	8.46	7.61	4.89	3.28	2.38	1.88	---	---	4.74	1979
1980	---	---	---	---	5.15	34.8	11.1	7.88	8.12	4.00	---	---	11.6	1980
1981	---	---	---	---	8.82	5.82	14.0	8.84	4.81	3.29	---	---	7.58	1981
1982	---	---	---	---	8.58	11.9	21.4	8.88	8.33	8.23	---	---	8.47	1982
1983	---	---	---	---	7.31	8.32	7.59	3.01	2.14	2.01	---	---	5.08	1983
1984	---	---	---	---	3.52	10.7	6.29	2.70	3.28	4.23	---	---	4.78	1984
MEAN	---	---	---	---	7.74	13.1	10.5	6.81	5.44	3.77	---	---	7.08	MEAN

LOCATION - LAT 52 52 04 N DRAINAGE AREA, 485 km²
LONG 116 36 43 W NATURAL FLOW

CARDINAL RIVER NEAR THE MOUTH - STATION NO. 06DD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	31.7 AT 22:00 MST ON MAY 19	18.6 ON MAY 20	1.85 ON MAY 6	131 000	1982
1983	17.4 AT 05:00 MST ON MAY 24	13.8 ON MAY 24	1.81 B ON OCT 31	87 400	1983
1984	67.6 AT 04:00 MST ON JUN 19	46.7 ON JUN 19	---	---	1984
1985	84.0 AT 21:00 MST ON MAY 31	51.0 ON MAY 31	---	---	1985
1989	237 AT 03:12 MST ON AUG 5	149 ON AUG 5	2.97 B ON OCT 28	193 000	1989
1970	154 AT 08:40 MST ON JUN 16	95.4 ON JUN 16	0.4538 ON OCT 31 *	93 900	1970
1971	---	---	---	---	1971
1972	94.8E ON JUN 25	53.8 E ON JUN 25	---	---	1972
1973	47.8 AT 02:30 MST ON MAY 17	38.4 ON MAY 18	---	---	1973
1974	40.8 AT 08:10 MST ON JUN 17	31.4 ON JUN 16	2.78 E ON OCT 31	128 000	1974
1975	10.1 AT 07:00 MST ON JUL 2	8.44 ON JUL 2	1.08 B ON OCT 31	69 500	1975
1976	62.2 AT 00:00 MST ON AUG 7	25.3 ON AUG 7	1.78 ON OCT 30	82 100	1976
1977	22.8 AT 00:30 MST ON JUN 8	25.2 ON JUN 8	2.30 ON MAY 1	161 000	1977
1978	108 AT 23:20 MST ON JUL 11	55.2 ON JUL 12	---	---	1978
1979	50.0 AT 01:00 MST ON MAY 27	33.6 ON MAY 27	1.50 E ON OCT 29	78 500	1979
1980	278 AT 07:45 MST ON JUN 4 *	219 ON JUN 4 *	3.11 ON MAY 5	181 000	1980
1981	57.0 AT 22:30 MST ON JUL 14	39.5 ON JUL 30	1.18 ON MAY 5	121 000	1981
1982	80.0 AT 18:25 MST ON JUL 5	63.2 ON JUL 5	2.60 B ON MAY 1	151 000	1982
1983	34.8 AT 15:50 MST ON JUN 24	23.8 ON JUN 24	1.48 ON OCT 24	80 500	1983
1984	19.5 AT 10:35 MST ON JUN 15	17.8 ON JUN 15	1.40 B ON OCT 28	75 700	1984
				113 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE POWER DIVERSION NEAR BANFF - STATION NO. 05BD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1942	---	---	---	---	---	---	---	---	---	---	11.8	17.5	---	1942
1943	18.9	18.2	18.4	---	7.98	---	---	---	---	---	13.8	18.5	---	1943
1944	14.3	18.2	17.3	8.67	3.31	0.727	0.802	0.807	3.71	9.47	13.8	18.5	7.83	1944
							0.389	0.382	0.784	3.39	13.9	18.1		
1945	15.2	13.5	12.3	8.47	2.49	0.572	0.884	0.734	0.781	3.62	8.17	13.0	6.67	1945
1946	15.9	17.9	15.5	15.2	3.34	0.630	0.999	1.37	1.88	7.89	12.9	12.8	8.78	1946
1947	15.6	16.0	14.4	12.7	1.38	2.80	2.22	2.23	1.82	2.10	11.2	13.0	8.04	1947
1948	16.7	20.5	19.2	15.7	4.27	2.89	8.13	20.3	11.3	11.6	14.3	16.4	13.7	1948
1949	17.0	18.0	16.2	8.80	5.28	5.11	5.65	7.87	5.78	7.86	11.0	12.4	9.89	1949
1950	12.3	4.82	5.90	2.16	3.38	2.03	0.940	2.58	9.21	15.2	16.2	16.4	8.01	1950
1951	16.4	10.4	8.73	3.47	4.98	4.45	4.32	8.44	8.37	12.1	17.8	14.7	9.52	1951
1952	12.2	7.43	11.0	14.1	10.4	0.940	1.67	7.10	8.88	8.86	11.2	14.4	9.00	1952
1953	16.5	17.9	10.1	10.3	14.4	2.88	7.78	8.95	8.19	8.71	15.3	16.0	11.6	1953
1954	16.1	15.0	9.94	16.1	12.8	3.52	1.94	10.2	15.0	10.1	9.35	14.3	11.2	1954
1955	17.3	17.6	16.3	16.0	11.8	2.33	0.795	0.451	3.15	4.73	7.56	16.6	8.85	1955
1956	13.7	14.2	14.8	13.2	4.23	0.430	0.283	0.283	4.07	17.3	11.3	17.3	8.28	1956
1957	13.9	16.6	17.5	7.55	0.383	0.472	0.283	0.283	0.708	7.74	9.83	11.0	7.28	1957
1958	18.4	19.0	12.0	4.92	8.89	1.83	2.15	1.26	1.29	11.2	13.3	8.83	8.03	1958
1959	24.3	8.45	12.8	13.0	3.98	0.855	0.754	2.50	0.837	0.987	8.25	12.6	7.41	1959
1960	11.5	11.4	3.86	5.30	8.62	6.24	1.09	7.80	3.88	7.02	11.5	10.9	7.39	1960
1961	8.38	11.9	8.37	14.6	8.73	1.22	1.64	9.83	8.30	8.00	12.4	16.6	8.98	1961
1962	17.6	9.23	18.0	18.3	8.68	4.57	2.19	4.24	11.4	2.86	3.19	8.87	9.07	1962
1963	9.27	8.57	8.23	3.12	4.90	2.24	0.728	1.52	13.5	21.4	17.3	8.86	8.23	1963
1964	9.48	14.2	17.4	8.18	4.16	1.88	0.498	3.83	8.38	8.17	8.01	13.2	7.41	1964
1965	8.06	3.25	1.28	8.73	8.89	18.6	28.8	10.5	10.1	8.02	9.88	14.2	10.4	1965
1966	20.8	13.2	13.9	8.71	2.54	8.80	8.88	8.43	8.24	8.47	12.4	12.1	9.78	1966
1967	16.3	10.7	10.8	12.9	14.3	3.84	2.56	10.4	12.0	7.74	7.85	11.8	10.1	1967
1968	16.0	16.7	9.24	0.618	0.585	1.78	0.457	1.02	14.0	11.8	1.83	8.82	8.74	1968
1969	13.2	8.73	4.48	1.08	0.443	18.4	22.8	8.38	12.0	4.97	4.44	8.82	8.78	1969
1970	8.17	8.31	8.37	7.81	4.67	2.84	14.4	7.22	8.05	10.5	12.0	10.4	8.47	1970
1971	8.22	1.77	8.05	1.84	1.01	0.737	0.784	5.73	8.20	15.3	8.27	8.28	5.70	1971
1972	11.8	8.43	2.33	8.08	2.26	11.6	24.5	11.8	10.8	7.30	1.87	13.4	8.03	1972
1973	18.9	13.8	4.01	1.43	1.08	7.73	18.8	8.29	8.83	8.04	8.48	7.83	8.27	1973
1974	9.18	8.28	8.18	8.28	1.10	18.6	27.8	10.8	8.35	8.84	8.38	7.37	8.48	1974
1975	18.1	13.2	8.28	11.2	11.8	1.58	1.74	0.785	0.738	0.484	8.08	7.14	8.89	1975
1976	8.72	8.58	11.1	10.8	2.63	2.28	1.78	16.8	10.0	8.28	8.62	8.38	7.77	1976
1977	13.1	8.92	1.88	3.85	7.58	1.22	12.2	3.63	7.08	4.09	0.858	18.2	8.88	1977
1978	18.8	20.6	13.0	3.10	2.88	1.05	0.871	8.34	2.14	2.27	7.88	14.3	7.84	1978
1979	13.8	13.2	8.43	13.1	8.37	0.810	2.20	13.8	11.0	8.74	8.40	8.41	8.88	1979
1980	8.84	7.88	8.32	2.74	0.848	12.8	2.74	8.48	2.88	0.528	4.28	8.73	8.72	1980
1981	8.87	11.8	14.0	12.6	12.2	15.2	12.8	18.1	3.21	7.07	12.8	15.8	12.1	1981
1982	12.8	7.84	7.87	8.70	4.84	2.41	7.88	3.85	1.05	2.38	8.88	11.8	8.81	1982
1983	11.3	11.8	8.48	7.24	3.81	0.788	1.80	7.88	10.3	3.80	8.87	10.2	8.87	1983
1984	8.18	8.82	8.72	8.40	8.38	2.38	8.87	8.01	18.4	8.73	8.08	8.08	7.48	1984
MEAN	13.7	12.0	10.8	8.81	8.81	4.27	8.81	8.48	8.80	7.82	8.88	12.3	8.84	MEAN

LOCATION - LAT 51 11 57 N
LONG 115 30 08 W

REGULATED SINCE 1942

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

CASCADE POWER DIVERSION NEAR BANFF - STATION NO 05BD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1942	---	---	---	---	1942
1943	---	21 2 ON JAN 28	0 255 ON MAY 28	---	1943
1944	---	19 8 ON FEB 22	0 170 ON APR 9	248 000	1944
1945	---	18 5 ON JAN 20	0 227 ON JUN 1	210 000	1945
1946	---	19 1 ON FEB 11	0 368 ON OCT 13	277 000	1946
1947	---	18 7 ON FEB 1	0 368 ON OCT 2	284 000	1947
1948	---	26 7 ON AUG 9	0 368 ON MAY 30	432 000	1948
1949	---	20 5 ON JAN 24	0 227 ON APR 10	312 000	1949
1950	---	20 2 ON NOV 16	0 227 ON FEB 11	253 000	1950
1951	---	20 3 ON OCT 25	0 085 ON APR 29	300 000	1951
1952	---	19 8 ON APR 21	0 283 ON FEB 24	285 000	1952
1953	---	19 8 ON JAN 13	0 425 ON APR 5	358 000	1953
1954	---	45 0 ON AUG 26 *	0 425 ON AUG 8	352 000	1954
1955	---	21 0 ON DEC 3	0 283 ON MAY 23	311 000	1955
1956	---	20 8 ON SEP 25	0 283 ON MAY 6	293 000	1956
1957	---	22 4 ON DEC 31	0 283 ON APR 16	230 000	1957
1958	---	30 3 ON NOV 16	0 142 ON JUL 5	253 000	1958
1959	---	34 3 ON JAN 6	0 283 ON MAY 29	234 000	1959
1960	---	24 5 ON DEC 20	0 425 ON JAN 24	234 000	1960
1961	---	30 9 ON DEC 18	0 425 ON JAN 1	263 000	1961
1962	---	28 6 ON MAR 21	0 283 ON JUL 15	286 000	1962
1963	---	34 0 ON OCT 16	0 283 ON DEC 25	259 000	1963
1964	---	34 8 ON DEC 21	0 283 ON JAN 5	234 000	1964
1965	---	40 2 ON JUL 8	0 425 ON JAN 17	328 000	1965
1966	---	33 4 ON JAN 19	0 283 ON JUN 14	308 000	1966
1967	---	30 6 ON MAY 1	0 283 ON MAY 23	318 000	1967
1968	---	37 1 ON SEP 11	0 142 ON NOV 26	213 000	1968
1969	---	36 5 ON JUL 12	0 425 ON JAN 1	277 000	1969
1970	---	34 8 ON JUL 21	0 425 ON JAN 24	267 000	1970
1971	---	37 4 ON SEP 17	0 283 ON MAY 8	180 000	1971
1972	---	37 4 ON JUL 10	0 425 ON JAN 15	285 000	1972
1973	---	35 1 ON JUL 1	0 623 ON FEB 4	261 000	1973
1974	---	37 1 ON JUN 25	0 851 ON JAN 1	298 000	1974
1975	---	32 6 ON JAN 11	0 ON OCT 22 *	211 000	1975
1976	---	36 2 ON AUG 6	0 736 ON JAN 31	245 000	1976
1977	42 2 AT 16 00 MST ON AUG 2	26 3 ON DEC 8	0 E ON OCT 19	210 000	1977
1978	42 5 AT 14 30 MST ON DEC 11 *	27 8 ON FEB 2	0 ON SEP 6	241 000	1978
1979	---	22 1 ON AUG 1	0 198 ON OCT 18	270 000	1979
1980	---	29 8 ON JUN 22	0 142 ON JAN 3	181 000	1980
1981	---	31 1 ON JUL 15	0 471 ON SEP 26	381 000	1981
1982	40 8 AT 10 30 MST ON MAY 4	22 2 ON JAN 21	0 297 ON JUN 3	214 000	1982
1983	---	23 0 ON AUG 25	0 057E ON OCT 19	220 000	1983
1984	---	23 4 ON SEP 12	0 003 ON OCT 5	237 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		269 000	MEAN

E - ESTIMATED

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO 05BD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	6 84	4 85	3 42	---	---	---	1973
1974	---	---	---	---	5 08	33 5	17 7	9 08	4 57	2 94	---	---	12 1	1974
1975	---	---	---	---	3 89	11 9	11 4	7 54	4 54	2 88	---	---	7 01	1975
1976	---	---	---	---	11 8	---	---	12 8	7 73	3 76	---	---	---	1976
1977	---	---	---	---	7 28	14 9	7 62	7 41	4 88	3 21	---	---	7 53	1977
1978	---	---	---	---	5 99	22 2	14 3	7 09	6 03	4 01	---	---	8 90	1978
1979	---	---	---	---	6 78	16 0	10 8	5 62	3 83	2 84	---	---	7 58	1979
1980	---	---	---	---	13 2	21 2	8 21	5 84	5 09	3 84	---	---	9 45	1980
1981	---	---	---	---	16 1	18 9	21 1	11 5	5 53	3 39	---	---	12 8	1981
1982	---	---	---	---	5 50	23 2	12 0	5 41	4 43	3 28	---	---	8 92	1982
1983	---	---	---	---	7 58	12 8	12 5	5 40	3 53	2 47	---	---	7 37	1983
1984	---	---	---	---	3 80	15 0	8 72	5 93	4 51	3 06	---	---	6 77	1984
MEAN	---	---	---	---	7 89	19 0	12 4	7 52	4 96	3 24	---	---	8 94	MEAN

LOCATION - LAT 51 17 15 N DRAINAGE AREA, 454 km^2
LONG 115 32 00 W NATURAL FLOW

CASCADE RIVER ABOVE LAKE MINNEWANKA - STATION NO 05BD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	106 AT 24 00 MST ON JUN 18 *	77 0 ON JUN 17 *	2 51A ON OCT 31	192 000	1974
1975	19 8 AT 00 30 MST ON JUL 8	17 4 ON JUN 25	1 70E ON MAY 1	112 000	1975
1976	34 0 ON JUL 1	---	---	---	1976
1977	39 9 AT 23 00 MST ON JUN 7	34 5 ON JUN 8	2 58 ON OCT 31	120 000	1977
1978	51 3 AT 21 30 MST ON JUN 8	35 4 ON JUN 8	2 82 ON OCT 30	157 000	1978
1979	39 1 AT 23 00 MST ON MAY 26	28 0 ON MAY 27	2 31 ON OCT 31	121 000	1979
1980	39 2 AT 00 50 MST ON JUN 17	33 0 ON JUN 17	2 80 ON OCT 23	150 000	1980
1981	71 4 AT 03 10 MST ON MAY 28	51 6 ON MAY 28	2 70E ON OCT 27	203 000	1981
1982	42 4 AT 00 00 MST ON JUN 15	36 4 ON JUN 16	1 90E ON MAY 1	142 000	1982
1983	38 5 AT 23 00 MST ON MAY 28	27 2 ON MAY 29	2 03 ON OCT 30	117 000	1983
1984	43 4 AT 20 15 MST ON JUN 29	34 3 ON JUN 29	1 54B ON OCT 31 *	108 000	1984
				142 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASCADE RIVER NEAR BANFF - STATION NO. 05BD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	11.8	8.38	---	---	---	1911
1912	---	2.41	---	1.89	8.84	---	9.98	22.4	8.19	7.87	8.22	8.89	---	1912
1913	4.98	3.08	5.22	9.89	7.33	24.9	11.8	18.5	9.91	8.88	10.7	18.0	10.7	1913
1914	8.15	2.80	2.78	2.58	3.47	26.2	17.7	4.87	2.10	5.82	8.38	4.47	7.02	1914
1915	4.51	7.84	10.7	6.12	1.82	23.9	40.9	21.8	8.88	5.71	8.74	4.71	11.8	1915
1916	7.72	9.63	11.0	6.90	1.81	12.0	21.1	17.1	12.1	7.03	13.8	16.4	11.4	1916
1917	8.63	7.04	4.00	3.15	3.00	27.2	22.3	9.73	7.47	5.88	4.80	11.5	9.42	1917
1918	12.1	8.70	3.28	5.00	2.84	14.3	14.4	8.78	8.74	4.78	8.00	11.7	8.07	1918
1919	11.8	8.85	3.48	3.73	2.27	7.32	10.8	15.3	8.82	8.70	8.28	7.44	7.48	1919
1920	7.28	5.98	3.85	2.88	2.28	2.77	41.8	10.2	4.90	4.49	8.88	8.48	8.38	1920
1921	9.28	5.28	4.84	4.73	2.85	21.0	15.7	8.38	4.83	3.99	3.88	8.08	7.48	1921
1922	4.73	5.09	5.14	4.87	4.84	17.4	13.3	10.4	8.01	2.88	8.82	8.78	7.41	1922
1923	8.88	8.14	4.05	3.98	4.00	32.3	18.8	12.8	8.02	4.47	2.87	8.88	8.88	1923
1924	7.48	7.78	8.27	7.82	8.00	13.8	23.3	17.1	8.21	4.88	4.08	8.22	8.28	1924
1925	8.48	8.88	8.77	7.38	8.04	17.0	11.8	13.4	8.78	8.88	8.18	4.09	8.38	1925
1926	7.48	8.74	8.32	8.88	1.83	1.43	8.24	8.18	13.2	8.38	8.83	8.07	8.88	1926
1927	8.18	8.28	8.03	8.80	3.31	17.7	18.4	14.0	11.8	8.98	8.17	3.48	8.80	1927
1928	8.23	8.38	8.10	8.88	3.70	30.8	28.8	8.28	8.48	3.74	3.89	4.88	10.3	1928
1929	8.71	7.38	7.48	4.82	3.81	10.8	8.98	8.03	3.88	7.72	13.8	10.3	7.83	1929
1930	4.32	1.88	1.82	2.34	2.24	20.8	18.8	8.27	8.28	2.78	4.44	8.98	7.13	1930
1931	12.1	7.84	3.34	2.20	1.38	8.40	14.3	8.84	8.81	2.20	4.38	7.14	8.01	1931
1932	8.70	8.81	8.87	3.88	2.87	37.8	12.2	8.88	8.18	3.84	3.48	4.88	8.81	1932
1933	3.08	8.30	8.88	10.8	8.88	18.0	17.8	8.88	7.22	4.38	2.82	3.08	7.88	1933
1934	3.08	2.78	8.44	12.4	18.8	10.2	8.70	8.88	4.77	4.33	3.10	2.44	8.78	1934
1935	7.88	2.27	7.80	10.8	2.82	12.1	20.1	11.2	8.88	3.14	4.38	10.4	8.18	1935
1936	4.81	7.02	4.78	1.88	1.38	8.72	8.44	4.88	4.18	3.37	2.08	2.81	4.41	1936
1937	10.3	11.8	2.48	1.84	2.87	8.88	10.2	8.73	4.88	4.88	2.88	8.38	8.72	1937
1938	8.80	7.12	4.30	2.77	3.88	28.3	14.3	8.78	7.14	4.11	4.88	8.78	8.18	1938
1939	4.88	8.08	8.01	2.04	1.73	2.82	14.7	8.40	8.34	2.87	3.88	3.18	4.88	1939
1940	10.8	8.80	8.84	8.88	3.82	8.88	10.3	8.27	8.88	8.44	3.72	2.24	8.84	1940
1941	1.72	1.74	1.88	1.28	0.825	0.858	0.135	0.128	0.111	---	---	---	---	1941
MEAN	8.88	8.18	8.88	8.88	3.74	18.8	18.4	10.2	8.87	4.88	8.88	7.23	7.88	MEAN

LOCATION - LAT 51 13 40 N
LONG 115 31 00 W
DRAINAGE AREA, 894 km²
NATURAL FLOW

CASCADE RIVER NEAR BANFF - STATION NO. 05BD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	48.1 ON AUG 18	0 ON JUN 1 *	---	1912
1913	---	35.1 ON JUN 11	0.085 ON MAY 27	336 000	1913
1914	---	38.8 ON JUN 5	0.074 ON MAY 1	222 000	1914
1915	---	73.8 ON JUN 28 *	0.158 ON MAY 23	372 000	1915
1916	---	28.8 ON JUN 21	1.38 ON MAY 10	380 000	1916
1917	---	60.5 ON JUN 10	2.88 ON MAY 11	297 000	1917
1918	---	31.4 ON JUN 18	2.82 ON MAY 8	255 000	1918
1919	---	44.2 ON AUG 8	1.78 ON MAY 3	236 000	1919
1920	---	88.7 ON JUL 18	2.32 ON APR 30	264 000	1920
1921	---	36.8 ON JUN 27	2.38 ON MAY 1	238 000	1921
1922	---	29.2 ON JUN 8	2.82 ON OCT 9	234 000	1922
1923	---	88.4 ON JUN 14	0.483 ON NOV 13	260 000	1923
1924	---	48.7 ON JUL 2	0.908 ON FEB 10	284 000	1924
1925	---	35.4 ON JUN 21	4.08 E ON DEC 3	284 000	1925
1926	---	24.3 ON SEP 2	0.827 ON JUN 8	211 000	1926
1927	---	42.8 ON JUN 25	3.31 ON MAY 1	288 000	1927
1928	---	62.3 ON JUN 25	3.81 ON APR 27	328 000	1928
1929	---	18.9 ON JUN 18	1.38 ON SEP 28	241 000	1929
1930	---	38.2 ON JUN 28	1.38 B ON MAR 12	225 000	1930
1931	---	21.8 ON JUL 7	1.21 ON MAY 20	190 000	1931
1932	---	44.5 ON JUN 12	1.08 ON FEB 28	278 000	1932
1933	---	45.3 ON JUN 17	1.81 B ON DEC 8	248 000	1933
1934	---	25.1 ON MAY 4	1.98 E ON DEC 21	213 000	1934
1935	---	25.8 ON JUN 19	1.78 ON FEB 3	258 000	1935
1936	---	13.1 ON JUL 1	1.18 ON MAY 31	140 000	1936
1937	---	17.8 E ON JUL 19	1.27 ON APR 18	181 000	1937
1938	38.4 AT 20:00 MST ON JUN 24 *	38.8 ON JUN 22	1.81 ON MAY 15	257 000	1938
1939	38.7 AT 12:00 MST ON JUL 1	32.8 ON JUL 2	1.28 ON APR 23	184 000	1939
1940	---	11.7 E ON JAN 28	1.50 ON DEC 25	101 000	1940
1941	---	3.10 ON JAN 1	0.0288 ON APR 28	---	1941
				252 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER AT MCDONALD'S RANCH - STATION NO. 05AA018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---,	---	---	---	31.3	88.8	38.3	10.2	7.83	4.11	8.42	---	---	1918
1944	---	---	---	---	---	17.1	7.78	4.48	3.88	3.38	2.81	1.98	---	1944
1945	1.48	---	---	---	---	---	---	---	---	---	---	---	---	1945
MEAN	1.48	---	---	---	31.3	43.0	23.0	7.34	5.81	3.75	4.12	1.98	---	MEAN

LOCATION - LAT 49 30 00 N
LONG 114 18 20 W
DRAINAGE AREA, 757 km²
NATURAL FLOW

CASTLE RIVER AT MCDONALD'S RANCH - STATION NO. 05AA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	105 ON JUN 21 *	---	---	1915
1944	---	41.8 ON MAY 20	---	---	1944
1945	---	1.848 ON JAN 1	1.308 ON JAN 29 *	---	1945
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	1.86	3.82	32.5	55.3	19.9	4.34	2.26	2.02	---	---	15.2	1967
1968	---	---	2.90	3.38	26.3	35.3	12.3	4.45	6.42	6.14	---	---	12.4	1968
1969	---	---	1.77	12.0	30.0	34.7	13.5	3.72	3.12	2.36	---	---	12.6	1969
1970	---	---	0.757	1.78	32.3	50.2	8.73	2.93	2.58	2.49	---	---	12.6	1970
1971	---	---	1.88	8.05	36.8	36.7	13.8	4.31	2.70	2.78	---	---	13.2	1971
1972	---	---	3.51	6.20	41.9	54.0	20.4	7.53	4.15	4.51	---	---	17.7	1972
1973	---	---	1.30	2.64	21.8	21.4	6.46	2.45	1.97	1.83	---	---	7.47	1973
1974	---	---	2.10	7.87	27.9	60.3	19.3	5.78	2.89	2.18	---	---	18.0	1974
1975	---	---	1.07	1.18	23.8	74.1	25.3	5.93	3.81	3.44	---	---	17.2	1975
1976	---	---	1.74	7.84	35.5	23.8	14.9	8.78	4.05	2.24	---	---	12.8	1976
1977	---	---	1.03	4.44	12.9	8.72	2.95	2.10	2.51	1.80	---	---	4.55	1977
1978	---	---	1.01	4.28	26.8	33.0	13.8	4.56	4.67	3.47	---	---	11.4	1978
1979	---	---	1.38	2.28	25.1	24.4	8.91	2.91	1.99	1.41	---	---	8.28	1979
1980	---	---	1.03	10.7	35.4	24.2	5.84	3.26	3.75	2.95	---	---	10.9	1980
1981	---	---	2.42	7.88	41.2	32.0	13.9	4.86	2.68	1.81	---	---	13.3	1981
1982	---	---	1.24	1.53	21.8	42.1	14.7	4.33	2.35	2.55	---	---	11.3	1982
1983	---	---	1.50	5.13	23.9	22.9	11.3	4.31	2.28	1.87	---	---	9.11	1983
1984	---	---	1.54	5.35	17.0	25.8	7.85	3.01	2.28	3.17	---	---	8.21	1984
MEAN	---	---	1.66	5.28	28.6	36.6	12.9	4.46	3.14	2.82	---	---	11.9	MEAN

LOCATION - LAT 49 23 55 N DRAINAGE AREA, 376 km^2
LONG 114 20 20 W NATURAL FLOW

CASTLE RIVER AT RANGER STATION - STATION NO. 05AA023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	94.3 AT 01:00 MST ON MAY 23	88.3 ON MAY 22	1.30 ON MAR 27	321 000	1967
1968	89.2 AT 03:20 MST ON MAY 23	85.2 ON MAY 23	1.88 ON MAR 1	282 000	1968
1969	82.8 AT 20:31 MST ON JUN 26	58.0 ON JUN 27	0.8508 ON MAR 7	287 000	1969
1970	130 AT 17:30 MST ON JUN 13	103 ON JUN 14	0.4368 ON MAR 10 *	284 000	1970
1971	80.4 AT 08:00 MST ON MAY 28	76.2 ON MAY 28	1.35 ON APR 3	280 000	1971
1972	116 AT 10:00 MST ON JUN 1	109 ON JUN 1	0.4538 ON MAR 1	378 000	1972
1973	56.8 AT 05:10 MST ON MAY 18	54.9 ON MAY 18	1.19 B ON MAR 19	158 000	1973
1974	97.7 AT 06:40 MST ON JUN 18	94.6 ON JUN 17	1.53 B ON MAR 1	338 000	1974
1975	402 AT 00:20 MST ON JUN 20 *	297 ON JUN 20 *	0.8478 ON APR 17	385 000	1975
1976	75.6 AT 03:30 MST ON MAY 11	70.5 ON MAY 11	1.42 B ON MAR 19	284 000	1976
1977	20.8 AT 14:20 MST ON MAY 11	19.8 ON MAY 11	0.8758 ON MAR 13	86 300	1977
1978	61.2 AT 10:15 MST ON JUN 6	58.6 ON JUN 6	0.8298 ON MAR 4	242 000	1978
1979	85.8 AT 08:10 MST ON MAY 27	82.3 ON MAY 27	1.02 B ON MAR 1	178 000	1979
1980	102 AT 13:20 MST ON MAY 28	84.7 ON MAY 26	0.873 ON MAR 20	230 000	1980
1981	102 AT 00:35 MST ON MAY 23	91.7 ON MAY 22	1.59 ON OCT 22	281 000	1981
1982	58.7 AT 23:35 MST ON JUN 14	58.0 ON JUN 14	0.897 ON APR 10	238 000	1982
1983	80.6 AT 04:28 MST ON MAY 27	67.6 ON MAY 26	1.18 ON MAR 8	193 000	1983
1984	62.9 AT 07:51 MST ON MAY 31	49.9 ON MAY 31	1.37 ON APR 2	174 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		252 000	MEAN

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1945	---	1.60	1.49	2.67	50.5	75.0	18.1	4.53	4.17	4.99	5.58	3.11	---	1945
1946	3.19	2.29	3.08	20.7	55.9	47.8	16.8	5.46	5.40	7.49	5.73	3.72	14.8	1946
1947	2.93	2.25	5.00	28.3	74.5	48.2	15.0	6.42	8.86	27.6	12.5	5.03	19.9	1947
1948	3.51	3.12	2.83	13.8	93.2	117	19.4	11.1	4.59	3.73	3.24	2.70	23.1	1948
1949	1.43	1.48	1.75	12.7	50.2	30.6	8.81	3.97	3.76	4.29	6.86	---	---	1949
1950	---	---	---	---	59.6	84.9	32.3	6.88	3.38	6.81	9.10	6.58	---	1950
1951	4.48	4.83	3.61	23.3	93.2	69.8	46.5	13.8	25.5	24.4	9.08	8.03	27.2	1951
1952	4.13	5.07	3.34	31.2	45.2	27.4	12.2	6.75	4.00	2.74	2.07	1.70	12.1	1952
1953	1.73	2.77	2.59	12.1	64.2	112	30.7	7.43	4.16	3.00	4.28	3.28	20.7	1953
1954	2.33	1.77	1.63	7.22	79.9	74.7	45.3	10.3	6.98	10.9	7.50	5.37	21.4	1954
1955	2.84	2.38	3.64	8.48	43.4	78.2	27.0	8.43	3.21	8.59	7.09	3.07	18.1	1955
1956	2.16	2.54	2.86	14.5	89.2	58.5	20.9	6.41	3.68	4.92	3.86	3.00	18.1	1956
1957	2.70	3.62	1.89	8.28	77.0	40.4	9.24	3.87	3.00	4.72	6.04	3.78	13.8	1957
1958	3.21	2.42	2.80	9.83	62.5	43.9	15.2	5.23	3.38	3.48	3.40	3.79	15.0	1958
1959	4.53	3.73	2.39	16.4	61.3	83.9	28.0	7.21	11.2	15.1	11.2	6.93	20.9	1959
1960	5.98	5.91	7.96	21.1	43.8	55.8	16.3	6.08	3.38	2.44	2.28	2.20	14.4	1960
1961	2.15	2.07	2.78	8.97	72.4	68.4	11.9	4.48	3.95	9.68	5.45	2.97	18.3	1961
1962	2.32	3.62	2.86	25.5	41.1	44.3	12.5	4.70	3.72	3.31	4.18	3.69	12.6	1962
1963	2.29	3.94	3.25	8.32	36.8	49.5	26.2	5.33	3.38	3.08	3.19	3.45	12.4	1963
1964	3.06	2.13	2.13	5.34	62.9	113	24.6	6.22	4.70	5.95	3.79	2.31	19.8	1964
1965	2.04	1.62	1.55	12.6	54.3	84.1	27.6	7.90	4.28	8.21	4.68	4.87	18.2	1965
1966	2.70	2.58	3.18	17.9	57.4	54.8	18.6	7.38	4.88	4.34	5.38	3.38	18.3	1966
1967	2.80	2.35	1.98	5.23	76.7	102	30.0	6.08	3.62	3.85	5.13	3.19	20.3	1967
1968	3.37	3.53	5.27	6.69	53.7	80.0	19.2	7.56	10.7	13.3	7.09	5.81	18.4	1968
1969	3.44	2.89	3.06	29.0	53.5	62.2	23.1	5.35	3.28	3.72	3.21	2.43	18.3	1969
1970	1.84	1.71	2.11	3.07	59.5	74.4	14.2	4.48	3.84	3.48	2.23	2.13	14.4	1970
1971	1.88	2.86	2.33	11.7	72.1	59.5	20.4	5.94	3.83	4.10	3.80	2.78	18.0	1971
1972	1.50	0.904	9.40	14.4	83.2	90.6	31.0	11.7	6.97	7.33	6.78	3.40	22.2	1972
1973	2.39	2.08	2.32	7.67	40.1	38.8	10.4	3.93	2.82	3.04	4.30	3.48	9.97	1973
1974	4.55	4.14	3.53	18.9	63.1	107	33.4	9.16	4.85	3.29	2.92	2.87	21.6	1974
1975	1.95	1.68	1.36	3.15	56.8	126	39.9	9.17	6.12	6.40	9.03	13.6	23.0	1975
1976	4.08	3.02	3.63	17.3	64.0	39.2	23.2	13.3	6.43	3.71	3.00	2.19	15.8	1976
1977	1.59	1.84	1.76	8.26	20.5	12.9	4.18	3.31	4.10	3.13	2.80	1.83	5.51	1977
1978	1.75	1.42	2.68	9.79	52.6	53.8	24.7	7.22	6.85	5.35	3.80	2.79	14.4	1978
1979	2.02	1.85	3.15	7.42	52.4	40.8	10.6	4.39	2.85	2.31	1.32	1.98	11.0	1979
1980	1.88	2.01	1.98	23.6	57.9	35.5	8.38	4.82	6.10	4.86	5.53	11.0	13.6	1980
1981	7.24	4.63	4.53	17.0	75.3	50.6	21.2	6.74	3.48	2.79	2.38	2.57	18.6	1981
1982	1.65	2.06	1.94	3.93	44.9	69.1	22.1	5.90	3.74	4.36	3.45	2.58	13.8	1982
1983	2.34	2.45	3.46	12.0	43.7	36.2	19.5	6.28	3.48	2.70	4.26	2.81	11.6	1983
1984	4.17	3.23	2.61	10.1	29.7	42.5	11.9	4.34	3.41	4.41	5.28	2.12	10.1	1984
MEAN	2.89	2.72	3.08	13.2	59.2	64.0	21.2	6.84	5.40	6.29	4.98	3.85	18.3	MEAN

LOCATION - LAT 49 29 20 N LONG 114 08 40 W DRAINAGE AREA, 826 km² NATURAL FLOW

CASTLE RIVER NEAR BEAVER MINES - STATION NO. 05AA022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1945	145 AT 19:00 MST ON JUN 6	142 ON JUN 6	---	---	1945
1946	---	96.8 ON MAY 29	1.78 ON MAR 9	488 000	1946
1947	---	143 ON MAY 10	1.95 B ON FEB 6	627 000	1947
1948	442 AT 14:00 MST ON MAY 22	362 ON MAY 23	2.01 B ON DEC 31	732 000	1948
1949	73.9 AT 16:30 MST ON MAY 13	71.9 ON MAY 13	---	---	1949
1950	128 AT 03:00 MST ON JUN 16	122 ON JUN 16	---	---	1950
1951	145 AT 16:00 MST ON MAY 14	136 ON MAY 14	2.44 B ON MAR 3	887 000	1951
1952	92.3 AT 22:30 MST ON APR 27	89.5 ON APR 28	1.16 B ON NOV 25	384 000	1952
1953	263 AT 20:00 MST ON JUN 8	257 ON JUN 8	1.02 B ON JAN 19	851 000	1953
1954	215 AT 22:00 MST ON MAY 19	187 ON MAY 20	1.19 B ON JAN 20	676 000	1954
1955	124 AT 23:59 MST ON MAY 19	114 ON JUN 14	1.13 B ON FEB 7	508 000	1955
1956	183 AT 03:00 MST ON MAY 21	174 ON MAY 21	1.13 B ON MAR 12	508 000	1956
1957	115 AT 05:00 MST ON MAY 21	106 ON MAY 21	1.19 B ON MAR 9	435 000	1957
1958	144 AT 21:00 MST ON MAY 12	125 ON MAY 12	1.44 B ON FEB 21	474 000	1958
1959	138 AT 23:00 MST ON JUN 6	136 ON JUN 5	1.84 B ON MAR 6	657 000	1959
1960	119 AT 05:00 MST ON MAY 13	111 ON MAY 13	1.64 ON NOV 9	456 000	1960
1961	176 AT 06:00 MST ON MAY 27	170 ON MAY 27	1.76 B ON JAN 11	515 000	1961
1962	87.4 AT 08:00 MST ON APR 25	85.7 ON APR 25	1.14 B ON DEC 26	399 000	1962
1963	89.2 AT 07:00 MST ON JUN 30	87.2 ON JUN 30	1.20 B ON JAN 19	382 000	1963
1964	610 AT 21:00 MST ON JUN 8	380 ON JUN 8	1.54 B ON JAN 20	620 000	1964
1965	294 AT 19:00 MST ON JUN 17	219 ON JUN 18	1.13 B ON FEB 11	573 000	1965
1966	111 AT 21:30 MST ON MAY 10	100 ON MAY 29	1.13 B ON MAR 9	481 000	1966
1967	227 AT 22:00 MST ON MAY 22	208 ON MAY 22	1.55 B ON MAR 7	641 000	1967
1968	157 AT 01:00 MST ON MAY 23	142 ON MAY 23	3.23 B ON JAN 1	518 000	1968
1969	159 AT 08:23 MST ON JUN 26	144 ON JUN 26	2.07 B ON DEC 31	513 000	1969
1970	210 AT 21:00 MST ON JUN 13	170 ON JUN 14	1.21 B ON DEC 8	458 000	1970
1971	125 AT 06:00 MST ON MAY 28	120 ON MAY 28	1.22 B ON DEC 23	504 000	1971
1972	213 A ON JUN 1	201 A ON JUN 1	0.8078 ON FEB 6	702 000	1972
1973	96.6 AT 03:30 MST ON MAY 18	84.0 ON MAY 18	1.61 B ON FEB 13	314 000	1973
1974	171 AT 04:20 MST ON JUN 17	167 ON JUN 17	1.80 B ON DEC 23	678 000	1974
1975	736 AT 02:00 MST ON JUN 20 *	535 ON JUN 20 *	0.8418 ON FEB 13	725 000	1975
1976	124 AT 10:30 MST ON MAY 11	119 ON MAY 11	1.63 B ON DEC 27	900 000	1976
1977	35.1 AT 18:00 MST ON MAY 11	33.4 ON MAY 11	1.20 B ON JAN 10	174 000	1977
1978	99.1 AT 12:20 MST ON JUN 6	96.3 ON JUN 6	1.01 B ON MAR 2	455 000	1978
1979	113 AT 04:35 MST ON MAY 27	107 ON MAY 25	0.5038 ON NOV 25 *	346 000	1979
1980	131 AT 17:30 MST ON MAY 26	113 ON MAY 26	1.31 B ON JAN 26	430 000	1980
1981	---	150 E ON MAY 22	1.50 B ON DEC 26	524 000	1981
1982	101 AT 11:20 MST ON MAY 28	97.7 ON MAY 28	1.36 B ON JAN 9	436 000	1982
1983	86.2 AT 02:58 MST ON MAY 27	82.6 ON MAY 28	2.09 B ON FEB 10	387 000	1983
1984	81.6 AT 09:10 MST ON MAY 31	77.6 ON MAY 31	1.27 B ON DEC 29	320 000	1984
				514 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CASTLE RIVER NEAR COWLEY - STATION NO. 05AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	7.78	5.77	---	---	---	1909
1910	---	---	---	31.6	64.1	40.2	14.1	5.79	10.5	20.5	---	---	---	1910
1911	2.46	3.33	6.41	21.1	84.4	104	26.6	21.5	54.1	15.0	24.6	6.28	28.2	1911
1912	3.03	2.32	2.64	19.3	52.3	40.6	32.7	12.6	8.27	8.63	9.04	3.78	16.3	1912
1913	3.37	2.78	2.48	17.4	56.3	76.7	22.3	12.0	7.50	11.2	9.78	3.80	18.8	1913
1914	4.00	4.66	4.09	25.7	50.5	43.7	16.9	9.96	8.78	26.5	17.1	8.41	18.4	1914
1915	6.26	3.85	4.06	20.4	66.7	60.9	27.7	15.9	11.9	15.0	9.50	5.56	20.7	1915
1916	3.63	9.06	9.24	21.5	43.9	114	52.2	14.4	9.86	6.83	4.41	3.16	26.2	1916
1917	2.64	2.21	2.51	4.48	60.7	88.3	33.6	6.71	5.08	4.21	3.37	3.16	18.9	1917
1918	4.81	2.50	4.97	15.3	48.7	70.5	14.7	8.87	6.22	8.07	3.90	3.19	15.7	1918
1919	3.36	2.10	2.28	13.0	49.9	37.6	10.8	4.56	2.97	3.62	3.62	2.69	11.4	1919
1920	2.40	2.48	2.61	6.11	48.1	81.4	37.7	9.25	5.92	6.58	4.62	3.37	17.8	1920
1921	3.63	3.59	4.78	16.7	61.2	74.2	21.5	6.67	4.35	4.70	3.11	3.06	17.3	1921
1922	2.47	2.02	1.86	8.27	65.8	79.5	19.1	6.39	3.85	4.05	4.09	2.78	16.5	1922
1923	2.43	2.02	2.28	9.69	86.3	187	24.6	10.1	5.66	4.23	4.12	3.12	28.4	1923
1924	2.32	3.07	2.73	8.12	55.3	63.5	19.0	17.0	7.25	6.17	5.63	5.34	16.3	1924
1925	4.17	2.98	3.90	26.7	69.5	63.8	16.5	6.82	6.43	9.31	7.20	5.57	17.8	1925
1926	4.58	3.24	3.23	17.3	21.8	19.8	9.79	4.83	17.5	27.1	11.2	8.02	12.2	1926
1927	3.42	2.70	3.09	17.1	66.0	139	57.8	17.5	30.5	26.1	12.2	7.48	31.8	1927
1928	7.81	5.84	8.21	18.8	96.4	72.1	42.9	10.1	7.87	15.9	7.48	5.10	24.8	1928
1929	2.80	2.12	4.95	5.78	58.0	70.9	18.1	5.62	4.32	4.74	3.03	2.97	15.1	1929
1930	2.21	3.15	3.30	27.8	61.4	53.8	15.2	5.38	3.81	3.58	2.89	2.18	15.4	1930
1931	1.76	2.80	2.11	3.80	---	---	---	---	---	---	---	---	---	1931
MEAN	3.48	3.26	3.89	16.0	58.8	78.3	25.3	9.99	10.5	10.7	7.54	4.36	19.3	MEAN

LOCATION - LAT 49 32 00 N DRAINAGE AREA, 1 120 km²
LONG 114 02 00 W NATURAL FLOW

CASTLE RIVER NEAR COWLEY - STATION NO. 05AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	78.0 ON MAY 28	---	---	1910
1911	---	174 ON SEP 4	1.95 B ON JAN 3	921 000	1911
1912	---	77.3 ON MAY 15	2.01 B ON FEB 29	515 000	1912
1913	---	142 ON MAY 29	2.15 B ON FEB 27	592 000	1913
1914	---	83.0 ON JUN 4	2.32 B ON JAN 28	680 000	1914
1915	---	123 ON MAY 1	3.00 B ON MAR 14	854 000	1915
1916	---	200 ON JUN 19	2.75 B ON DEC 28	785 000	1916
1917	---	155 ON JUN 8	1.70 B ON FEB 27	598 000	1917
1918	---	138 ON JUN 11	1.81 B ON FEB 22	496 000	1918
1919	---	98.8 ON MAY 28	1.42 B ON FEB 3	380 000	1919
1920	---	127 ON JUN 16	0.9638 ON JAN 21 *	555 000	1920
1921	---	135 ON MAY 26	1.93 B ON FEB 6	646 000	1921
1922	---	168 ON JUN 5	1.50 B ON MAR 13	521 000	1922
1923	---	1 120 ON JUN 1 *	1.84 B ON JAN 30	896 000	1923
1924	---	112 ON JUN 7	2.10 B ON JAN 1	518 000	1924
1925	---	128 ON MAY 20	2.80 B ON FEB 28	582 000	1925
1926	---	43.6 ON OCT 18	1.98 B ON APR 5	388 000	1926
1927	---	239 ON JUN 11	2.52 B ON FEB 17	1 000 000	1927
1928	---	137 ON MAY 22	3.91 B ON DEC 31	785 000	1928
1929	---	183 ON JUN 3	1.42 B ON NOV 22	477 000	1929
1930	---	102 ON MAY 21	1.67 B ON DEC 17	488 000	1930
1931	---	---	---	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		611 000	MEAN

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 05BL022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	9.02	3.86	1.06	0.630	0.459	---	---	---	1966
1967	---	---	---	0.221	5.32	15.1	4.17	1.05	0.490	0.414	---	---	---	1967
1968	---	---	0.320	0.339	2.72	8.77	2.68	1.22	1.16	1.41	---	---	---	1968
1969	---	---	0.235	1.09	6.46	11.0	5.53	0.924	0.493	0.508	---	---	---	1969
1970	---	---	---	0.224	4.19	10.6	2.74	0.709	0.551	0.433	---	---	---	1970
1971	---	---	---	0.523	7.18	9.86	2.86	0.852	0.534	0.561	0.343	0.278	---	1971
1972	0.188	0.138	0.210	0.332	7.86	17.0	4.38	2.88	1.85	1.05	0.585	0.370	3.00	1972
1973	0.288	0.274	0.272	0.341	4.87	7.86	2.27	0.950	0.787	0.440	0.300	0.282	1.88	1973
1974	0.178	0.218	0.224	0.448	4.34	18.2	3.86	1.38	0.802	0.678	0.434	0.293	2.87	1974
1975	0.203	0.203	0.199	0.289	3.33	14.3	5.18	1.72	0.988	0.780	0.848	0.402	2.34	1975
1976	0.321	0.267	0.216	0.909	7.88	5.87	2.61	5.48	1.80	0.898	0.531	0.317	2.20	1976
1977	0.235	0.267	0.215	0.884	2.84	3.01	0.973	1.07	1.12	0.840	0.537	0.354	0.880	1977
1978	0.278	0.260	0.345	0.438	4.24	8.78	4.88	1.52	0.983	0.889	0.538	0.343	2.06	1978
1979	0.230	0.239	0.280	0.286	4.66	6.24	1.70	1.31	1.03	0.481	0.288	0.285	1.41	1979
1980	0.204	0.187	0.180	1.36	7.08	7.49	1.87	1.17	1.15	0.822	0.582	0.513	1.87	1980
1981	0.388	0.248	0.319	0.879	9.81	11.1	5.81	2.06	0.793	0.587	0.358	0.190	2.70	1981
1982	0.107	0.144	0.165	0.322	3.86	7.78	2.26	0.780	0.678	0.582	0.331	0.174	1.33	1982
1983	0.187	0.213	0.232	0.616	3.74	4.33	1.77	0.885	0.403	0.398	0.358	0.148	1.09	1983
1984	0.188	0.121	0.185	0.473	3.24	5.85	1.48	0.877	0.408	0.487	0.328	0.212	1.02	1984
MEAN	0.228	0.210	0.235	0.547	5.01	8.68	3.13	1.43	0.843	0.680	0.445	0.294	1.87	MEAN

LOCATION - LAT 50 17 04 N DRAINAGE AREA, 188 km²
LONG 114 35 25 W NATURAL FLOW

CATARACT CREEK NEAR FORESTRY ROAD - STATION NO. 08NL022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	18.0 AT 20:00 MST ON JUN 4	16.0 ON JUN 5	---	---	1966
1967	38.4 AT 17:00 MST ON MAY 30	31.1 ON MAY 30	---	---	1967
1968	11.4 AT 15:30 MST ON JUN 7	10.5 ON JUN 10	---	---	1968
1969	---	23.9 ON JUN 26	---	---	1969
1970	27.7 AT 22:40 MST ON JUN 13	22.4 ON JUN 14	---	---	1970
1971	24.7 AT 06:30 MST ON JUN 6	23.1 ON JUN 6	---	---	1971
1972	39.6 AT 22:30 MST ON MAY 31	34.3 ON MAY 31	0.1108 ON FEB 8	84 800	1972
1973	15.6 AT 22:00 MST ON MAY 30	13.1 ON MAY 31	0.1938 ON DEC 31	50 100	1973
1974	48.1 AT 22:00 MST ON JUN 16	39.1 ON JUN 16 *	0.1448 ON JAN 14	84 200	1974
1975	58.6 AT 22:30 MST ON JUN 18 *	38.8 ON JUN 20	0.1878 ON JAN 20	73 900	1975
1976	35.1 AT 22:30 MST ON AUG 5	21.1 ON AUG 6	0.1788 ON MAR 25	89 700	1976
1977	5.61 AT 23:30 MST ON JUN 7	5.15 ON JUN 8	0.1618 ON JAN 15	31 200	1977
1978	22.1 AT 20:00 MST ON JUN 5	18.4 ON JUN 5	0.2528 ON JAN 30	84 400	1978
1979	20.1 AT 20:30 MST ON MAY 26	15.1 ON MAY 26	0.1688 ON DEC 2	44 500	1979
1980	34.1 AT 22:00 MST ON MAY 25	23.5 ON MAY 25	0.1418 ON JAN 27	59 100	1980
1981	48.8 AT 22:00 MST ON MAY 26	33.5 ON MAY 26	0.0888 ON DEC 28	85 000	1981
1982	13.8 AT 20:43 MST ON JUN 13	11.9 ON JUN 14	0.0808 ON JAN 3 *	41 900	1982
1983	10.3 AT 19:42 MST ON MAY 25	9.17 ON MAY 26	0.1198 ON DEC 19	34 200	1983
1984	11.5 AT 18:39 MST ON MAY 30	8.07 ON MAY 30	0.1068 ON FEB 8	32 300	1984
				58 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CAVAN LAKE DIVERSION NEAR DUNMORE - STATION NO. 08AH044

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	0.090	0	0.002	0	0.040	0	0	0	0	---	---	0.005	1981
1982	---	0.122	0.482	0.817	0.088	0.378	0	0.001	0	0	---	---	0.183	1982
1983	---	0.197	0.118	0.030	0.281	0.008	0.007	0	0	0	---	---	0.055	1983
1984	---	0	0.025	0.005	0	0	0	0	0	0	---	---	0.004	1984
MEAN	---	0.102	0.159	0.184	0.088	0.107	0.002	0	0	0	---	---	0.085	MEAN

LOCATION - LAT 49 53 50 N
LONG 110 28 50 W REGULATED

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.419 ON JUN 18	0 ON MAR 1 *	107	1981
1982	---	4.15 ON APR 13 *	08 ON MAR 1	4 080	1982
1983	---	1.38 ON MAY 15	0 ON JUN 10	1 190	1983
1984	---	0.2338 ON MAR 25	08 ON MAR 1	82.8	1984
				1 370	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHIN RESERVOIR OUTFLOW TO BOUNTIFUL COULEE - STATION NO. 05AG009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.034	0.078	0.022	0.078	---	---	---	1966
1967	---	---	---	---	0.743	0.052	0.111	0.209	0.187	0.111	---	---	0.237	1967
1968	---	---	---	---	0.003	0.004	0.007	0.003	0.003	0.002	---	---	0.004	1968
MEAN	---	---	---	---	0.373	0.028	0.051	0.088	0.071	0.063	---	---	0.131	MEAN

LOCATION - LAT 49 46 40 N
LONG 112 27 30 W REGULATED

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	3.20 E ON MAY 11 *	0.0038 ON OCT 31	3 770	1967
1968	---	0.018 ON SEP 10	0 ON OCT 21 *	88.8	1968
				1 910	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	---	---	---	1.43	---	1969
1970	0.449	0.291	0.358	38.1	49.4	34.6	20.9	3.28	3.78	5.63	1.41	0.124	13.2	1970
1971	0.095	0.034	0.040	57.2	57.2	85.3	66.9	13.6	10.6	9.95	2.75	1.90	25.5	1971
1972	1.03	0.577	0.408	6.80	408	25.3	59.0	23.3	4.70	3.65	3.52	1.25	45.2	1972
1973	0.815	0.529	0.193	66.5	157	93.5	80.9	50.4	29.2	14.3	4.47	2.78	44.6	1973
1974	1.34	0.966	0.930	172	289	53.4	25.1	17.9	15.0	15.3	3.34	1.07	49.8	1974
1975	0.452	0.354	0.200	17.7	76.4	42.0	29.2	5.17	9.89	3.14	1.64	0.875	15.6	1975
1976	0.383	0.193	0.135	43.3	48.5	76.6	84.8	123	40.5	18.3	6.10	1.67	37.1	1976
1977	1.63	1.43	1.26	58.2	103	304	54.4	21.1	13.9	10.3	3.29	0.983	47.7	1977
1978	0.786	0.781	0.669	10.4	124	47.3	6.50	10.5	52.1	22.3	4.61	2.42	23.8	1978
1979	1.11	0.771	0.587	8.08	285	180	113	22.0	17.3	8.53	---	---	---	1979
1980	---	---	0	8.23	5.15	13.4	13.6	18.3	16.5	20.0	4.13	0.597	---	1980
1981	0.318	0.238	0.383	38.6	177	18.1	12.4	3.31	0.897	1.16	1.69	0.626	21.8	1981
1982	0.178	0.119	0.138	0.897	182	10.3	2.04	5.63	4.84	3.09	0.966	0.624	17.8	1982
1983	0.462	0.378	0.374	30.4	76.7	32.4	22.0	26.0	14.8	7.02	2.86	0.882	17.9	1983
1984	0.378	0.285	0.188	11.3	44.2	53.0	108	15.7	25.4	10.9	4.05	1.21	23.0	1984
MEAN	0.658	0.497	0.382	39.3	138	71.4	46.7	24.0	17.3	10.2	3.20	1.21	29.5	MEAN

LOCATION - LAT 58 35 48 N DRAINAGE AREA, 10 400 km²
LONG 118 20 00 W NATURAL FLOW

CHINCHAGA RIVER NEAR HIGH LEVEL - STATION NO. 07DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1969	---	---	---	---	1969
1970	---	140 B ON APR 23	0.0788 ON DEC 27	417 000	1970
1971	345 AT 22:00 MST ON JUN 20	340 ON JUN 20	0.0038 ON FEB 21 *	805 000	1971
1972	770 AT 05:00 MST ON MAY 7	748 ON MAY 6	0.3408 ON APR 18	1 430 000	1972
1973	311 AT 06:30 MST ON MAY 14	309 ON MAY 14	0.1738 ON MAR 10	1 410 000	1973
1974	824 A AT 02:00 MST ON APR 29 *	810 A ON APR 29 *	0.6948 ON DEC 26	1 570 000	1974
1975	183 AT 03:00 MST ON MAY 29	181 ON MAY 29	0.1138 ON MAR 28	498 000	1975
1976	433 AT 09:30 MST ON AUG 20	422 ON AUG 20	0.0408 ON FEB 28	1 170 000	1976
1977	726 AT 02:00 MST ON JUN 13	684 ON JUN 7	0.6318 ON DEC 19	1 500 000	1977
1978	346 E AT 23:00 MST ON MAY 1	328 E ON MAY 2	0.5608 ON MAR 19	751 000	1978
1979	412 AT 02:00 MST ON JUL 8	403 ON JUL 8	---	---	1979
1980	46.7 AT 19:50 MST ON JUL 30	46.0 ON JUL 30	---	---	1980
1981	487 AT 00:30 MST ON MAY 4	479 ON MAY 4	0.0418 ON MAR 3	682 000	1981
1982	328 AT 20:45 MST ON MAY 5	309 ON MAY 6	0.0808 ON FEB 14	551 000	1982
1983	183 AT 08:00 MST ON APR 27	180 ON APR 27	0.3298 ON FEB 9	586 000	1983
1984	237 AT 08:30 MST ON JUL 11	235 ON JUL 11	0.1548 ON MAR 15	726 000	1984
				930 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHRISTINA RIVER NEAR CHARD - STATION NO. 07CE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	14.6	11.6	21.8	12.4	8.20	---	---	---	1982
1983	---	---	2.93	8.46	10.9	13.7	39.2	36.7	22.4	15.6	---	---	18.9	1983
1984	---	---	2.98	14.9	27.5	76.2	25.8	9.22	10.9	12.5	---	---	22.3	1984
MEAN	---	---	2.98	12.2	19.2	34.8	25.5	22.6	15.2	11.4	---	---	20.6	MEAN

LOCATION - LAT 55 50 20 N DRAINAGE AREA, 4 860 km²
LONG 110 52 00 W

CHRISTINA RIVER NEAR CHARD - STATION NO. 07CE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	---	---	1982
1983	90.1 AT 19:18 MST ON JUL 30	88.5 ON JUL 29	2.808 ON MAR 1	400 000	1983
1984	178 AT 11:22 MST ON JUN 8 *	174 ON JUN 8 *	2.708 ON MAR 1 *	474 000	1984
				437 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	1.00	0.548	0.585	---	---	---	1972
1973	---	---	0.458	1.40	2.43	3.10	1.32	1.15	0.399	0.617	---	---	1.38	1973
1974	---	---	0.051	4.84	11.8	1.77	4.85	0.451	0.390	0.387	---	---	3.08	1974
1975	---	---	0.092	1.09	2.25	2.81	2.43	1.85	1.84	0.417	---	---	1.84	1975
1976	---	---	0.096	2.82	0.874	1.25	1.88	3.58	2.28	0.559	---	---	1.85	1976
1977	---	---	0.186	2.15	7.84	4.26	3.89	1.15	1.84	1.13	---	---	2.80	1977
1978	---	---	0.209	1.46	2.57	2.39	3.18	0.922	1.89	0.998	---	---	1.72	1978
1979	---	---	0.283	0.974	8.71	7.18	8.59	1.40	0.285	0.380	---	---	3.22	1979
1980	---	---	0.111	2.81	1.35	2.05	1.82	0.730	0.780	0.585	---	---	1.24	1980
1981	---	---	0.285	1.44	1.63	1.78	0.444	0.157	0.074	0.184	---	---	0.737	1981
1982	---	---	0.014	0.850	2.48	0.118	1.89	1.82	0.717	0.285	---	---	1.00	1982
1983	---	---	0.022	0.593	0.330	1.82	8.13	1.07	0.198	0.291	---	---	1.32	1983
1984	---	---	0.127	0.848	1.82	5.22	0.548	0.125	0.617	0.392	---	---	1.18	1984
MEAN	---	---	0.158	1.78	3.61	2.82	3.07	1.18	0.888	0.535	---	---	1.74	MEAN

LOCATION - LAT 54 13 40 N DRAINAGE AREA, 424 km²
LONG 115 19 58 W NATURAL FLOW

CHRISTMAS CREEK NEAR BLUE RIDGE - STATION NO. 07AH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	9.80 AT 00:30 MST ON JUN 27	9.06 ON JUN 27	0.2248 ON MAR 6	29 400	1973
1974	31.1 AT 00:20 MST ON MAY 14	27.1 ON MAY 13	0.0578 ON MAR 1	65 200	1974
1975	24.7 AT 20:00 MST ON JUN 28	23.7 ON JUN 28	0.0798 ON MAR 14	32 700	1975
1976	13.6 AT 20:30 MST ON AUG 28	13.3 ON AUG 28	0.0858 ON MAR 1	34 900	1976
1977	27.5 AT 15:00 MST ON MAY 30	26.5 ON MAY 30	0.1028 ON APR 2	59 400	1977
1978	17.6 AT 18:15 MST ON JUL 12	15.6 ON JUL 13	0.1308 ON MAR 15	38 300	1978
1979	38.1 AT 23:55 MST ON JUL 3 *	34.4 ON JUN 15 *	0.0748 ON MAR 1	65 300	1979
1980	8.22 AT 06:10 MST ON APR 15	6.878 ON APR 15	0.0888 ON MAR 1	25 300	1980
1981	3.66 AT 23:10 MST ON APR 25	3.62 ON JUN 2	0.005 ON SEP 19 *	15 600	1981
1982	5.29 AT 23:10 MST ON MAY 4	4.72 ON MAY 21	0.0108 ON MAR 1	21 300	1982
1983	17.1 AT 12:00 MST ON JUL 10	15.4 ON JUL 10	0.0098 ON MAR 9	28 000	1983
1984	35.4 AT 23:59 MST ON JUN 8	30.9 ON JUN 9	0.083 ON AUG 3	24 900	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 900	MEAN

CLEAR BROOK NEAR STAVELY - STATION NO. 05AC033

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0	0	0	0	0	0	---	---	---	1983
1984	---	0	0	0	0	0	0	0	0	0	---	---	---	1984
MEAN	---	0	0	0	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 50 08 25 N DRAINAGE AREA, 182 km²
LONG 113 27 29 W

CLEAR BROOK NEAR STAVELY - STATION NO. 05AC033

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	---	---	0 ON MAY 1 *	---	1983
1984	---	---	0 ON JAN 31	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	0.148	0.478	---	---	---	1971
1972	---	---	0.008	15.2	52.8	3.78	21.4	5.08	0.884	1.30	---	---	12.8	1972
1973	---	---	0.038	48.8	26.9	13.6	3.37	1.84	2.70	1.81	---	---	12.3	1973
1974	---	---	0.088	85.7	68.1	5.85	10.4	7.20	3.14	3.67	---	---	22.7	1974
1975	---	---	0.007	11.5	17.8	5.21	1.85	0.103	0.330	0.102	---	---	4.58	1975
1976	---	---	0	8.84	7.43	8.87	7.01	18.0	2.33	0.804	---	---	8.20	1976
1977	---	---	0.188	28.1	31.8	21.7	3.73	1.48	0.848	1.05	---	---	10.5	1977
1978	---	---	0.083	7.48	24.2	3.81	0.328	0.182	2.28	1.12	---	---	4.80	1978
1979	---	---	0.088	8.34	24.3	13.7	18.8	2.84	1.41	0.801	---	---	8.82	1979
1980	---	---	0.008	2.84	2.55	2.81	1.24	0.832	1.85	1.22	---	---	1.85	1980
1981	---	---	0.121	34.8	34.7	8.01	1.88	0.189	0.078	0.118	---	---	9.70	1981
1982	---	---	0	7.00	18.4	0.840	0.268	2.83	0.491	0.378	---	---	3.52	1982
1983	---	---	0.008	12.0	5.81	7.88	7.12	2.12	0.314	0.423	---	---	4.41	1983
1984	---	---	0.854	7.26	32.8	15.0	10.8	0.291	0.378	0.801	---	---	8.48	1984
MEAN	---	---	0.082	21.2	28.4	8.21	8.81	3.14	1.22	0.970	---	---	8.48	MEAN

LOCATION - LAT 58 18 20 N DRAINAGE AREA, 2 880 km²
LONG 119 40 50 W NATURAL FLOW

CLEAR RIVER NEAR BEAR CANYON - STATION NO. 07FD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	182 ON JUL 11	133 ON JUL 11	0 B ON MAR 1 *	288 000	1972
1973	---	108 B ON APR 14	0 B ON MAR 1	280 000	1973
1974	430 E ON APR 25 *	406 E ON APR 25 *	0.0578 ON MAR 14	480 000	1974
1975	38.18 AT 04:00 MST ON APR 19	31.7 B ON APR 19	0.0038 ON MAR 1	87 000	1975
1976	88.5 AT 01:30 MST ON AUG 18	81.5 ON AUG 19	0 B ON MAR 1	131 000	1976
1977	187 AT 08:00 MST ON MAY 13	153 ON MAY 13	0.1448 ON MAR 22	222 000	1977
1978	78.4 AT 10:30 MST ON MAY 23	78.6 ON MAY 23	0.0038 ON MAR 1	104 000	1978
1979	84.3 AT 21:30 MST ON APR 28	84.0 ON APR 28	0.0508 ON MAR 15	160 000	1979
1980	---	8.00E ON MAY 28	0 B ON MAR 1	35 100	1980
1981	207 AT 04:00 MST ON APR 25	180 ON APR 25	0 B ON MAR 4	205 000	1981
1982	46.3 AT 00:30 MST ON APR 24	31.8 ON APR 24	0 B ON MAR 1	74 500	1982
1983	87.8 AT 07:00 MST ON APR 23	81.8 ON APR 23	0 B ON MAR 1	93 200	1983
1984	218 AT 04:00 MST ON MAY 22	194 A ON MAY 22	0 B ON MAR 1	179 000	1984
				179 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	116	---	---	---	---	1966
1967	---	---	---	---	---	131	109	91.1	87.9	87.5	---	---	---	1967
1968	---	---	---	---	108	102	85.2	85.1	90.8	116	74.8	---	---	1968
1969	---	---	---	---	122	91.0	80.7	86.1	74.3	84.1	87.3	---	---	1969
1970	---	---	---	---	---	123	114	84.9	87.5	---	---	---	---	1970
1971	---	---	---	---	116	88.8	106	74.0	81.7	88.5	---	---	---	1971
1972	---	---	---	---	---	88.5	76.9	83.7	88.4	---	---	---	---	1972
1973	---	---	---	---	115	95.5	111	138	93.4	107	---	---	---	1973
1974	---	---	---	---	203	---	---	129	112	107	---	---	---	1974
1975	---	---	---	---	---	122	170	148	154	150	91.9	81.4	---	1975
1976	60.9	60.4	61.4	138	110	105	99.4	105	141	111	84.2	82.3	91.5	1976
1977	69.8	66.5	65.2	117	126	153	153	115	104	101	73.5	80.7	96.0	1977
1978	64.6	61.8	46.4	75.6	149	110	79.3	92.3	137	138	82.1	89.1	90.6	1978
1979	66.1	61.0	47.4	68.0	216	135	110	88.4	104	99.0	72.7	85.9	92.4	1979
1980	64.6	46.4	44.2	94.7	80.6	85.6	57.3	69.3	77.0	75.6	65.5	61.7	63.6	1980
1981	39.9	42.2	46.0	83.6	87.4	75.7	89.6	48.3	40.6	44.0	43.0	35.6	55.5	1981
1982	33.6	26.6	25.9	48.9	156	85.5	73.9	80.9	73.2	86.7	52.9	44.8	64.5	1982
1983	44.3	50.3	47.4	102	111	86.9	86.9	59.1	70.8	86.6	66.3	46.7	68.9	1983
1984	42.7	42.8	43.6	91.0	83.3	82.4	77.7	72.7	71.0	77.0	82.2	47.4	68.1	1984
MEAN	49.7	46.4	46.1	89.9	128	103	98.4	87.8	91.3	92.0	65.7	53.8	76.8	MEAN

LOCATION - LAT 58 38 40 N, LONG 110 55 40 W
DRAINAGE AREA, 17 000 km^2
NATURAL FLOW

CLEARWATER RIVER ABOVE CHRISTINA RIVER - STATION NO. 07CD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	---	---	---	1970
1971	---	---	---	---	1971
1972	---	---	---	---	1972
1973	300 AT 17:00 MST ON AUG 7	282 ON AUG 7	---	---	1973
1974	---	---	---	---	1974
1975	234 AT 02:00 MST ON JUL 18	233 ON JUL 18	---	---	1975
1976	232 AT 02:00 MST ON APR 17	226 ON APR 17	28.38 ON NOV 25	2 880 000	1976
1977	2188 AT 21:10 MST ON APR 21	184 ON JUN 3	45.38 ON NOV 23	3 080 000	1977
1978	240 AT 20:40 MST ON APR 28	221 ON APR 28	44.58 ON MAR 8	2 880 000	1978
1979	388 AT 18:48 MST ON MAY 15 *	388 ON MAY 15 *	48.48 ON MAR 8	2 920 000	1979
1980	175E ON APR 19	175B ON APR 19	34.58 ON DEC 27	2 010 000	1980
1981	118 AT 04:58 MST ON MAY 1	118 ON MAY 1	27.08 ON OCT 28	1 780 000	1981
1982	---	225E ON MAY 1	25.08 ON FEB 21 *	2 040 000	1982
1983	182 AT 09:09 MST ON APR 25	181 ON APR 25	37.08 ON NOV 25	3 170 000	1983
1984	138 AT 21:00 MST ON APR 14	129 ON APR 13	42.58 ON JAN 12	2 090 000	1984
				2 420 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 08DB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	39.3	35.5	20.7	18.8	12.0	---	---	---	1959
1960	---	---	---	---	11.0	25.7	30.8	20.0	11.1	8.18	---	---	17.8	1960
1961	---	---	---	---	18.7	30.6	21.0	23.8	12.2	8.82	---	---	19.4	1961
1962	---	---	---	---	17.5	24.3	28.7	21.7	14.0	9.05	---	---	18.9	1962
1963	---	---	---	---	11.3	35.1	48.8	26.0	17.8	10.3	---	---	25.2	1963
1964	---	---	---	---	26.8	61.8	45.5	18.2	17.0	12.9	---	---	30.3	1964
1965	---	---	---	---	---	78.2	84.5	31.7	27.5	18.7	---	---	---	1965
1966	---	---	---	---	24.0	28.6	43.4	30.4	18.2	13.3	---	---	26.7	1966
1967	---	---	---	---	18.0	45.4	26.7	19.2	13.4	7.84	---	---	22.0	1967
1968	---	---	---	---	11.7	30.7	32.5	24.1	18.1	12.3	---	---	21.2	1968
1969	---	---	---	---	26.8	38.6	56.5	26.0	14.9	9.86	---	---	28.7	1969
1970	---	---	---	---	14.4	42.8	28.3	18.3	9.80	7.10	---	---	19.4	1970
1971	---	---	---	---	17.2	38.3	23.4	19.1	10.5	7.32	---	---	19.4	1971
1972	---	---	---	---	13.0	61.7	43.2	29.6	18.5	11.9	---	---	29.5	1972
1973	---	---	---	---	26.0	37.1	30.0	21.0	14.5	9.11	---	---	23.3	1973
1974	---	---	---	---	18.8	57.2	37.3	23.5	15.0	10.7	---	---	27.0	1974
1975	---	---	---	---	9.33	18.5	28.2	15.6	9.49	6.80	---	---	14.4	1975
1976	---	---	---	---	12.3	15.3	24.0	25.5	17.4	8.83	---	---	17.3	1976
1977	---	---	---	---	14.6	27.9	18.9	23.2	14.4	10.0	---	---	18.2	1977
1978	---	---	---	---	13.1	48.4	38.5	24.5	22.2	11.7	---	---	26.5	1978
1979	---	---	---	---	16.0	24.5	22.7	16.4	12.1	8.58	---	---	17.0	1979
1980	---	---	---	---	16.4	48.5	24.5	20.5	15.1	11.3	---	---	23.1	1980
1981	---	---	---	---	32.3	30.4	58.2	45.5	18.3	10.5	---	---	34.7	1981
1982	---	---	---	---	10.5	33.7	31.5	17.5	14.7	11.3	---	---	18.5	1982
1983	---	---	---	---	15.3	26.5	32.5	18.3	12.7	5.42	---	---	18.5	1983
1984	---	---	---	---	5.46	32.5	23.1	17.2	12.5	10.5	---	---	17.1	1984
MEAN	---	---	---	---	16.5	37.9	34.9	23.1	15.3	10.2	---	---	23.3	MEAN

LOCATION - LAT 51 58 30 N DRAINAGE AREA, 1 340 km²
LONG 115 28 00 W NATURAL FLOW

CLEARWATER RIVER ABOVE LIMESTONE CREEK - STATION NO. 08DB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1959	81.6 AT 07:00 MST ON JUN 13	70.8 ON JUN 27	---	---	1959
1960	49.6 AT 09:00 MST ON JUL 2	47.3 ON JUL 2	5.89 ON MAY 1	283 000	1960
1961	56.4 AT 05:00 MST ON MAY 26	52.4 ON MAY 27	4.83 ON MAY 1	308 000	1961
1962	40.8 AT 05:00 MST ON JUN 27	37.4 ON JUN 27	7.84 ON OCT 30	300 000	1962
1963	82.6 AT 17:00 MST ON JUL 25	77.6 ON JUL 17	6.83 ON MAY 19	401 000	1963
1964	211 AT 02:00 MST ON JUL 4	138 ON JUL 4	8.50E ON OCT 31	481 000	1964
1965	510 AT 18:00 MST ON JUN 18 *	283 ON JUN 18 *	---	---	1965
1966	108 AT 01:00 MST ON JUL 4	93.2 ON JUL 4	5.29 ON MAY 1	424 000	1966
1967	114 AT 02:45 MST ON MAY 31	86.8 ON MAY 31	4.25E ON MAY 4	351 000	1967
1968	97.8 AT 12:04 MST ON JUN 27	83.5 ON JUN 27	5.72 ON MAY 8	337 000	1968
1969	154 AT 10:40 MST ON JUL 5	147 ON JUL 5	7.65E ON OCT 31	458 000	1969
1970	208 AT 13:40 MST ON JUN 18	188 ON JUN 18	5.35 ON MAY 1	308 000	1970
1971	118 AT 12:00 MST ON JUN 8	99.1 ON JUN 8	8.28 ON OCT 27	309 000	1971
1972	199 AT 08:30 MST ON JUN 25	180 ON JUN 25	4.25 ON MAY 8	470 000	1972
1973	75.3 AT 16:00 MST ON JUN 24	69.1 ON JUN 24	7.68A ON OCT 31	371 000	1973
1974	120 AT 05:00 MST ON JUN 17	104 ON JUN 17	9.34 ON OCT 31	429 000	1974
1975	40.2 AT 17:00 MST ON JUL 14	39.1 ON JUL 14	4.73A ON MAY 2	228 000	1975
1976	48.7 AT 17:30 MST ON AUG 10	43.0 ON AUG 10	5.30 ON MAY 1	275 000	1976
1977	63.1 AT 07:30 MST ON JUN 9	57.5 ON JUN 9	4.81 ON MAY 2	249 000	1977
1978	92.6 AT 11:45 MST ON JUN 8	84.4 ON JUN 8	7.67 ON MAY 8	422 000	1978
1979	53.5 AT 12:00 MST ON MAY 27	48.7 ON MAY 27	7.37 ON OCT 28	271 000	1979
1980	75.5 AT 13:00 MST ON JUN 17	70.8 ON JUN 17	9.00E ON OCT 31	387 000	1980
1981	152 AT 17:10 MST ON JUL 30	137 ON JUL 15	8.01 ON MAY 1	582 000	1981
1982	86.5 AT 17:12 MST ON JUL 21	83.8 ON JUL 22	5.46 ON MAY 8	317 000	1982
1983	96.9 AT 14:54 MST ON JUL 3	78.5 ON JUL 3	1.19 ON OCT 28 *	295 000	1983
1984	84.2 AT 11:55 MST ON JUN 30	78.0 ON JUN 30	3.83 ON MAY 13	272 000	1984
				385 000	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	53.7	43.9	49.1	---	---	---	---	---	---	---	---	---	---	1931
1957	---	---	---	---	---	---	---	---	88.0	89.8	80.7	73.0	---	1957
1958	54.2	47.3	48.8	311	270	129	76.3	71.4	98.8	122	85.9	85.7	115	1958
1959	51.1	46.1	48.8	---	204	212	128	109	230	237	134	96.5	---	1959
1960	76.3	65.9	59.7	159	346	354	317	348	430	212	127	83.0	215	1960
1961	60.6	73.1	70.6	98.3	306	188	182	104	78.4	88.9	80.3	63.4	110	1961
1962	39.3	34.8	41.3	49.9	346	478	487	195	152	145	112	89.2	180	1962
1963	72.9	60.5	57.0	188	280	182	94.5	80.1	88.9	83.7	71.5	68.7	107	1963
1964	63.9	66.1	67.3	80.1	263	163	99.2	114	107	107	73.6	85.6	99.3	1964
1965	51.5	43.5	43.8	87.4	228	203	178	157	188	148	99.7	74.4	128	1965
1966	59.2	67.1	62.4	126	209	259	187	180	186	127	75.2	64.9	127	1966
1967	59.5	59.9	57.9	68.3	346	209	148	130	83.1	78.3	69.9	60.1	116	1967
1968	36.3	33.4	44.5	82.9	131	120	108	82.6	135	189	117	81.5	92.4	1968
1969	63.3	53.8	56.5	283	240	182	83.0	68.3	112	138	74.9	67.7	114	1969
1970	60.0	46.9	39.5	157	212	198	414	190	209	193	118	78.1	159	1970
1971	63.0	55.5	55.9	210	216	130	242	119	80.7	73.3	55.0	49.0	113	1971
1972	41.9	36.4	44.1	72.0	285	148	108	74.8	85.4	85.5	74.1	56.5	88.7	1972
1973	46.5	49.7	49.4	124	156	276	201	336	243	247	152	95.9	185	1973
1974	76.5	62.7	57.3	308	466	310	272	195	159	136	105	84.7	189	1974
1975	73.2	66.1	61.5	132	297	235	327	267	274	225	135	87.8	182	1975
1976	60.1	66.4	64.5	164	151	149	199	176	271	188	102	69.2	141	1976
1977	71.8	65.6	61.9	148	196	265	214	157	133	129	84.0	72.4	132	1977
1978	60.7	57.2	56.9	123	236	178	107	111	225	219	111	82.0	131	1978
1979	69.6	59.4	64.0	68.2	330	274	208	159	207	173	130	120	156	1979
1980	72.4	66.8	61.5	146	108	101	75.9	231	200	156	99.0	66.7	113	1980
1981	49.3	52.9	57.9	117	151	107	115	66.6	44.1	60.0	47.3	39.3	75.0	1981
1982	37.6	29.3	29.7	73.4	249	134	102	119	95.5	79.3	57.9	46.9	88.2	1982
1983	49.9	56.1	55.6	127	137	133	131	127	120	105	86.6	81.4	98.4	1983
1984	62.0	61.0	62.7	136	150	214	150	101	100	110	86.6	83.4	108	1984
MEAN	58.6	52.6	51.7	138	245	201	181	151	155	140	93.6	69.6	129	MEAN

LOCATION - LAT 58 41 07 N DRAINAGE AREA, 30 800 km²
LONG 111 15 15 W NATURAL FLOW

CLEARWATER RIVER AT DRAPER - STATION NO. 07CD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1931	---	---	---	---	1931
1957	---	---	---	---	1957
1958	---	568B ON APR 20	46.2B ON FEB 17	3 630 000	1958
1959	---	---	---	---	1959
1960	817 AT 20:00 MST ON JUL 26	612 ON SEP 8	58.9B ON MAR 26	6 800 000	1960
1961	---	425E ON MAY 8	41.6B ON DEC 31	3 460 000	1961
1962	714 AT 13:00 MST ON JUN 12	711 ON JUN 12	32.6B ON FEB 13	5 680 000	1962
1963	---	518 ON APR 29	40.2B ON DEC 16	3 390 000	1963
1964	311 AT 20:00 MST ON MAY 27	309 ON MAY 26	41.9B ON JAN 30	3 140 000	1964
1965	337 AT 18:00 MST ON APR 30	311 ON MAY 1	40.5B ON MAR 1	3 880 000	1965
1966	---	380 ON MAY 24	39.9B ON MAR 13	4 010 000	1966
1967	4288 AT 14:00 MST ON MAY 5	405 ON MAY 9	46.1B ON DEC 31	3 680 000	1967
1968	---	218 ON SEP 29	30.3B ON JAN 15	2 920 000	1968
1969	---	568B ON APR 24	51.0B ON FEB 18	3 580 000	1969
1970	728 AT 04:00 MST ON JUL 3 *	708 ON JUL 3	37.4B ON MAR 17	5 030 000	1970
1971	---	521B ON APR 23	40.5B ON DEC 27	3 580 000	1971
1972	---	681E ON MAY 2	34.0B ON FEB 12	3 120 000	1972
1973	580 AT 01:00 MST ON AUG 8	572 ON AUG 8	46.2B ON JAN 7	5 210 000	1973
1974	---	790E ON APR 30 *	54.9B ON FEB 25	5 950 000	1974
1975	450 AT 12:00 MST ON JUL 19	450 ON JUL 19	59.5B ON MAR 28	5 740 000	1975
1976	371 AT 11:10 MST ON SEP 1	371 ON SEP 1	35.1B ON NOV 26	4 450 000	1976
1977	348 AT 23:18 MST ON JUN 2	343 ON JUN 3	55.2B ON NOV 23	4 150 000	1977
1978	317 AT 02:00 MST ON APR 30	311 ON SEP 25	55.2B ON FEB 27	4 130 000	1978
1979	561 AT 12:50 MST ON MAY 18	559 ON MAY 18	52.7B ON MAR 12	4 890 000	1979
1980	3788 AT 18:10 MST ON APR 20	332 ON AUG 18	43.4B ON DEC 30	3 580 000	1980
1981	---	198E ON MAY 3	32.8B ON NOV 28	2 370 000	1981
1982	389 AT 08:50 MST ON MAY 2	380 ON MAY 2	26.2B ON FEB 19 *	2 780 000	1982
1983	328 AT 08:30 MST ON APR 25	324 ON APR 25	43.0B ON JAN 2	3 140 000	1983
1984	291 AT 09:00 MST ON JUN 7	291 ON JUN 7	51.0B ON FEB 7	3 330 000	1984
				4 080 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 08DB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	7.87	6.05	4.35	---	1975
1976	4.08	4.21	5.00	8.08	13.2	18.1	25.8	31.5	19.5	10.8	7.03	5.34	12.7	1976
1977	4.43	5.84	6.56	7.17	26.8	34.3	21.9	25.2	16.8	13.1	8.88	5.64	14.7	1977
1978	5.08	5.51	6.18	10.4	22.5	58.8	45.4	29.3	26.4	16.0	8.88	6.78	20.2	1978
1979	5.36	5.23	7.83	9.14	18.8	26.5	23.1	18.8	13.0	9.09	6.43	3.28	12.2	1979
1980	2.88	3.88	4.38	10.8	21.3	58.1	32.0	24.4	19.1	15.1	9.44	8.48	17.8	1980
1981	8.82	8.48	8.29	8.88	46.7	36.6	77.8	86.8	23.8	15.2	10.3	8.82	24.4	1981
1982	3.78	3.83	1.84	7.80	13.8	36.8	44.3	22.7	17.2	12.6	7.88	8.54	14.8	1982
1983	3.72	4.87	6.71	10.8	18.1	26.3	37.4	18.3	13.2	8.83	7.42	1.87	13.6	1983
1984	8.20	8.37	8.88	7.02	7.82	35.1	23.8	17.0	18.3	12.8	7.08	4.88	12.2	1984
MEAN	4.84	4.88	5.43	8.80	20.4	36.7	38.8	27.2	18.8	12.2	7.92	5.27	15.8	MEAN

LOCATION - LAT 52 15 09 N DRAINAGE AREA, 2 230 km²
LONG 114 51 14 W NATURAL FLOW

CLEARWATER RIVER NEAR DOVERCOURT - STATION NO. 05DB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	55.8 AT 15:40 MST ON AUG 9	50.7 ON AUG 11	3.20 B ON JAN 7	403 000	1976
1977	81.4 AT 01:00 MST ON JUN 10	58.1 ON JUN 9	3.82 B ON JAN 12	485 000	1977
1978	111 AT 07:30 MST ON JUN 7	106 ON JUN 7	4.50 B ON JAN 1	538 000	1978
1979	50.1 AT 05:30 MST ON MAY 28	45.4 ON MAY 28	1.20 B ON DEC 17	386 000	1979
1980	94.1 AT 00:30 MST ON JUN 18	87.2 ON JUN 5	2.40 B ON JAN 25	584 000	1980
1981	223 AT 15:00 MST ON JUL 31 *	194 ON JUL 31 *	3.00 B ON DEC 31	788 000	1981
1982	77.9 AT 21:12 MST ON JUL 8	73.3 ON JUL 8	0.7505 ON APR 7 *	487 000	1982
1983	93.7 AT 14:45 MST ON JUL 4	84.5 ON JUL 4	1.58 B ON DEC 20	426 000	1983
1984	88.9 AT 08:01 MST ON JUN 10	85.1 ON JUN 10	3.87 B ON NOV 1	385 000	1984
				499 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	5.38	5.66	6.66	8.67	21.1	38.1	30.6	22.2	17.3	17.1	12.1	8.24	16.6	1914
1915	6.87	5.80	7.03	10.2	45.6	181	107	90.0	45.2	28.0	21.7	13.0	50.3	1915
1916	8.68	8.50	11.3	20.2	35.2	104	62.2	71.2	90.6	32.7	21.3	12.3	39.1	1916
1917	11.6	10.6	10.6	13.7	71.6	78.6	57.7	32.3	28.7	20.6	14.0	7.82	29.9	1917
1918	6.00	5.86	6.23	17.6	23.1	47.4	28.6	27.2	20.1	18.0	9.27	8.17	18.2	1918
1919	6.46	5.20	5.61	11.1	21.6	20.8	21.3	31.4	22.6	14.0	7.41	6.80	14.4	1919
1920	6.06	5.33	5.64	11.6	66.3	91.2	66.1	30.1	18.0	11.6	8.13	6.31	23.6	1920
1921	6.97	6.16	6.08	17.3	31.6	36.0	30.2	23.4	13.1	10.1	7.84	6.66	15.6	1921
1922	6.66	6.43	6.29	16.7	36.7	37.6	29.0	36.6	21.6	14.7	8.09	6.82	18.7	1922
1923	6.27	6.01	6.06	16.2	22.6	186	67.2	77.3	44.6	23.7	16.4	8.69	39.6	1923
1924	7.64	7.13	7.28	18.0	66.1	66.1	49.4	66.6	29.1	18.7	12.2	8.70	27.1	1924
1925	7.81	6.77	6.66	26.6	26.1	66.3	40.0	90.4	74.3	43.7	31.6	19.6	34.6	1925
1926	11.6	11.7	11.7	20.3	18.3	36.3	38.6	26.3	139	61.1	27.6	12.6	32.7	1926
1927	6.67	6.06	6.76	26.1	27.2	66.7	72.6	62.0	46.0	29.3	13.6	6.26	30.7	1927
1928	6.66	6.66	12.6	23.0	20.6	166	66.6	34.6	23.6	16.6	11.7	6.66	36.2	1928
1929	6.66	6.62	6.67	16.3	26.6	66.6	23.6	23.6	17.6	11.0	6.26	6.32	16.2	1929
1930	6.42	6.66	6.34	16.2	26.3	46.2	36.2	26.6	20.6	14.6	6.26	6.36	19.1	1930
1931	6.36	6.66	7.14	16.3	---	---	---	---	---	---	---	---	---	1931
1944	---	---	6.63	11.6	36.4	62.0	66.6	73.6	36.7	26.7	---	---	---	1944
1945	---	---	6.63	13.4	63.6	61.7	47.3	41.0	36.3	32.3	---	---	---	1945
1946	---	---	6.41	16.6	27.0	61.1	46.4	26.7	27.3	16.1	---	---	---	1946
1947	---	---	14.6	26.1	36.6	61.6	46.1	32.0	27.3	22.0	---	---	---	1947
1948	---	---	6.62	17.6	116	76.6	46.3	46.1	24.2	16.6	---	---	---	1948
1949	---	---	6.66	16.6	16.7	26.4	17.4	12.7	11.1	---	---	---	---	1949
1950	---	---	3.73	16.3	17.3	46.6	42.6	26.1	16.6	6.66	---	---	---	1950
1951	---	---	6.01	6.72	46.6	46.6	62.6	34.2	46.1	26.6	---	---	---	1951
1952	---	---	10.0	26.1	24.6	111	76.6	49.6	26.6	16.1	---	---	---	1952
1953	---	---	6.61	17.7	40.7	66.0	67.1	41.6	26.3	17.6	12.6	6.63	---	1953
1954	6.40	6.06	6.76	6.74	66.6	62.6	66.4	63.6	63.6	36.1	26.0	16.6	40.7	1954
1955	12.4	6.13	7.76	26.7	46.0	61.4	47.4	24.0	16.6	16.1	6.22	6.33	24.2	1955
1956	6.67	6.00	11.7	16.7	24.6	36.7	36.3	26.1	16.1	12.7	6.66	6.56	17.6	1956
1957	6.06	6.37	6.66	16.1	41.6	66.7	24.6	26.6	23.7	21.1	16.6	10.7	16.4	1957
1958	6.66	6.76	6.46	16.6	66.3	66.3	66.4	26.4	21.6	16.1	10.4	6.66	22.6	1956
1959	7.36	7.76	11.6	12.6	16.6	66.6	46.6	26.6	22.6	16.6	16.6	6.76	22.1	1959
1960	7.66	6.66	12.2	16.3	26.6	66.4	66.6	26.6	16.2	13.2	11.2	7.06	16.6	1960
1961	6.26	6.66	6.66	6.21	26.6	34.6	26.7	26.6	16.6	14.6	6.13	6.26	16.6	1961
1962	6.66	6.63	7.61	16.2	26.6	32.7	66.4	32.6	21.2	14.3	6.66	7.16	16.2	1962
1963	6.27	6.67	6.66	22.6	22.4	46.1	72.6	42.6	26.6	16.6	11.6	7.06	24.7	1963
1964	7.66	6.13	6.26	17.1	66.7	66.7	66.4	24.6	26.2	26.6	16.3	10.3	26.6	1964
1965	6.74	7.76	10.6	21.6	26.6	127	121	46.3	66.6	37.6	26.6	16.6	42.3	1965
1966	10.6	6.66	10.6	16.6	36.2	66.4	66.6	47.6	26.7	21.1	12.6	10.4	26.6	1966
1967	6.66	7.21	7.66	12.6	66.4	74.2	66.6	24.6	16.6	12.6	6.36	6.61	21.1	1967
1968	6.62	6.63	10.3	16.6	17.7	66.6	41.6	26.4	24.3	26.6	16.3	6.21	16.4	1966
1969	6.66	6.61	6.17	16.6	66.2	66.2	66.4	26.6	24.6	16.1	12.6	6.66	26.7	1969
1970	6.66	7.66	7.66	12.3	31.6	76.7	46.6	24.6	16.6	13.1	6.46	7.76	26.6	1970
1971	6.17	6.11	6.17	26.4	26.4	66.6	66.7	23.7	16.3	11.1	6.16	6.36	16.2	1971
1972	6.13	6.76	6.66	14.6	66.6	102	72.6	66.6	66.6	66.6	14.1	10.2	66.6	1972
1973	6.66	6.66	6.76	26.6	61.6	66.6	46.6	26.7	66.4	16.4	11.6	6.36	24.2	1973
1974	7.36	6.13	7.66	16.6	66.6	76.1	61.6	66.1	26.6	21.7	13.6	7.66	26.4	1974
1975	6.46	6.66	6.66	6.17	21.3	26.6	31.6	21.4	---	---	---	---	---	1975
MEAN	7.06	7.12	6.26	17.1	36.4	66.6	66.1	36.6	31.6	20.2	13.6	6.33	26.6	MEAN

LOCATION - LAT 52 20 40 N DRAINAGE AREA, 3 220 km^2
LONG 114 56 10 W NATURAL FLOW

CLEARWATER RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	84.8 ON JUN 8	3.540 ON DEC 17	530 000	1914
1915	---	1 110 ON JUN 27 *	4.530 ON JAN 1	1 590 000	1915
1916	---	221 ON JUN 20	7.330 ON JAN 26	1 240 000	1916
1917	---	174 ON MAY 17	3.790 ON DEC 12	843 000	1917
1918	---	118 ON JUN 15	3.570 ON DEC 22	573 000	1918
1919	---	42.2 ON AUG 9	2.760 ON DEC 10	455 000	1919
1920	---	178 ON MAY 9	3.340 ON JAN 23	755 000	1920
1921	---	88.8 ON JUN 7	1.880 ON DEC 22	499 000	1921
1922	75.3 AT 19:00 MST ON AUG 17	72.5 ON AUG 17	2.550 ON MAR 28	591 000	1922
1923	---	320 ON JUN 2	2.070 ON JAN 27	1 240 000	1923
1924	183 AT 20:00 MST ON MAY 1	116 ON MAY 1	2.290 ON DEC 19	858 000	1924
1925	328 AT 18:00 MST ON AUG 17	274 ON AUG 17	4.110 ON MAR 15	1 090 000	1925
1926	---	233 ON SEP 2	6.370 ON APR 1	1 080 000	1926
1927	117 AT 10:00 MST ON JUL 28	113 ON JUL 28	4.500 ON DEC 29	988 000	1927
1928	287 AT 10:00 MST ON JUN 19	259 ON JUN 19	4.930 ON JAN 1	1 110 000	1928
1929	253 AT 18:00 MST ON JUN 3	230 ON JUN 3	4.840 ON JAN 27	974 000	1929
1930	---	88.3 ON JUN 11	4.810 ON DEC 28	802 000	1930
1931	---	---	2.100 ON JAN 20	---	1931
1944	---	231 ON JUN 15	---	---	1944
1945	---	103 ON JUN 1	---	---	1945
1946	---	144 ON JUN 23	---	---	1946
1947	---	118 ON JUN 28	---	---	1947
1948	---	288 ON MAY 26	---	---	1948
1949	---	48.2 ON JUL 21	---	---	1949
1950	---	137 ON JUN 15	---	---	1950
1951	---	90.8 ON MAY 5	---	---	1951
1952	425 AT 18:00 MST ON JUN 24	411 ON JUN 24	---	---	1952
1953	171 AT 14:00 MST ON JUN 4	167 ON JUN 4	---	---	1953
1954	388 AT 12:00 MST ON AUG 28	357 ON AUG 28	2.940 ON MAR 28	1 280 000	1954
1955	98.3 AT 23:45 MST ON JUN 13	89.5 ON JUN 14	3.140 ON NOV 12	783 000	1955
1956	---	53.8A ON JUN 21	3.980 ON FEB 4	658 000	1956
1957	78.4 AT 18:00 MST ON APR 30	86.5 ON MAY 1	4.250 ON JAN 4	612 000	1957
1958	104 AT 23:00 MST ON JUL 2	98.3 ON JUL 2	3.320 ON DEC 10	714 000	1958
1959	148 AT 08:00 MST ON JUN 28	135 ON JUN 28	3.450 ON JAN 7	898 000	1959
1960	83.7 AT 02:00 MST ON JUL 3	82.0 ON JUL 2	2.270 ON DEC 6	600 000	1960
1961	82.8 AT 06:00 MST ON JUL 3	80.2 ON MAY 28	2.550 ON JAN 30	502 000	1961
1962	82.0 AT 01:00 MST ON MAY 21	85.5 ON MAY 21	2.380 ON JAN 9	574 000	1962
1963	147 AT 03:00 MST ON JUL 17	136 ON JUL 17	1.670 ON DEC 21 *	781 000	1963
1964	189 AT 22:00 MST ON MAY 7	168 ON MAY 7	2.940 ON MAR 25	832 000	1964
1965	524 AT 18:00 MST ON JUN 19 *	385 ON JUN 19	4.450 ON JAN 28	1 330 000	1965
1966	180 AT 19:00 MST ON JUL 4	162 ON JUL 5	3.570 ON DEC 1	787 000	1966
1967	152 AT 03:00 MST ON JUN 1	138 ON JUN 1	3.340 ON JAN 26	684 000	1967
1968	74.2 AT 19:00 MST ON JUL 21	69.4 ON JUL 22	3.110 ON JAN 8	613 000	1968
1969	286 AT 10:20 MST ON JUL 7	274 ON JUL 8	7.790 ON DEC 31	873 000	1969
1970	398 A AT 15:00 MST ON JUN 17	340 A ON JUN 17	3.790 ON NOV 23	855 000	1970
1971	148 AT 07:00 MST ON JUN 7	138 ON JUN 7	4.450 ON MAR 2	575 000	1971
1972	487 AT 08:00 MST ON JUN 26	442 ON JUN 26	4.790 ON JAN 3	932 000	1972
1973	98.6 AT 18:00 MST ON MAY 26	85.4 ON MAY 26	5.660 ON JAN 26	763 000	1973
1974	121 AT 04:30 MST ON JUN 18	115 ON JUN 18	5.850 ON DEC 26	883 000	1974
1975	45.3 AT 15:30 MST ON JUN 26	42.6 ON JUN 27	---	---	1975
				809 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CLUNY SPILLWAY NEAR CLUNY - STATION NO. 05BM013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	0.257	0.183	0.333	0.321	0.054	---	---	---	1985
1986	---	---	0.728	0.188	0.165	0.256	0.494	0.156	0.084	0.126	---	---	0.219	1986
1987	---	---	---	---	---	0.119	0.042	0.030	0.025	0.008	---	---	---	1987
1988	---	---	---	---	0.108	0.142	0.121	0.122	0.085	0.100	---	---	0.115	1988
1989	---	---	---	---	0.081	0.267	0.194	0.085	0.154	0.152	---	---	0.148	1989
1970	---	---	---	---	0.144	0.242	0.208	0.178	0.049	0.038	---	---	0.142	1970
MEAN	---	---	0.728	0.188	0.120	0.219	0.203	0.148	0.121	0.078	---	---	0.158	MEAN

LOCATION - LAT 50 48 55 N, LONG 112 54 15 W DRAINAGE AREA, 178 km^2 REGULATED

CLUNY SPILLWAY NEAR CLUNY - STATION NO. 05BM013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	1.05 ON JUN 28	0 ON OCT 19 *	---	1985
1986	---	4.39 ON JUL 3 *	0.0542 ON OCT 11	3 480	1986
1987	---	---	0 ON AUG 25	---	1987
1988	---	0.820 ON OCT 29	0.013 ON SEP 16	1 820	1988
1989	---	1.95 ON JUN 29	0 ON AUG 16	2 330	1989
1970	---	0.988 ON JUN 14	0 ON SEP 17	2 260	1970
				2 470	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

COAL CREEK AT BOW CITY - STATION NO. 05BN014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.299	0.088	0.313	0.081	0.383	0.003	---	---	1965
1966	---	---	---	---	0.008	0.071	0.047	0.121	0.084	0.104	---	---	0.089	1966
1967	---	---	---	0.195	0.402	0.168	0.081	0.122	0.058	0.276	---	---	0.182	1967
1968	---	---	---	---	0.197	0.334	0.214	0.338	0.424	0.388	---	---	0.315	1968
1969	---	---	---	---	0.181	0.323	0.112	0.274	0.187	0.272	---	---	0.225	1969
1970	---	---	---	---	0.185	0.333	0.183	0.253	0.277	0.162	---	---	0.225	1970
1971	---	---	---	---	0.087	0.110	0.124	0.236	0.240	0.111	---	---	0.153	1971
1972	---	---	---	---	0.082	0.189	0.148	0.212	0.185	0.143	---	---	0.158	1972
1973	---	---	---	---	0.100	0.255	0.147	0.212	0.277	0.088	---	---	0.180	1973
1974	---	---	---	---	0.010	0.189	0.148	0.212	0.218	0.187	---	---	0.183	1974
1975	---	---	---	---	0.128	0.108	0.080	0.213	0.287	0.085	---	---	0.150	1975
1976	---	---	---	---	0.082	0.081	0.084	0.123	0.074	0.072	---	---	0.083	1976
1977	---	---	---	---	0.068	0.048	0.148	0.144	0.088	0.016	---	---	0.086	1977
1978	---	---	---	---	0.008	0.033	0.080	0.098	0.020	0.029	---	---	0.045	1978
1979	---	---	---	---	0.024	0.203	0.087	0.472	0.218	0.172	---	---	0.198	1979
1980	---	---	---	---	0.187	0.181	0.323	0.401	0.128	0.100	---	---	0.218	1980
1981	---	---	---	---	0.194	0.327	0.287	0.158	0.094	0.137	---	---	0.195	1981
1982	---	---	---	---	0.124	0.282	0.328	0.223	0.155	0.142	---	---	0.209	1982
1983	---	---	---	---	0.118	0.258	0.233	0.282	0.161	0.183	---	---	0.202	1983
1984	---	---	---	---	0.248	0.209	0.141	0.302	0.100	0.081	---	---	0.177	1984
MEAN	---	---	---	0.195	0.128	0.195	0.150	0.235	0.166	0.154	0.003	---	0.169	MEAN

LOCATION - LAT 50 25 50 N DRAINAGE AREA, 88.6 km²
LONG 115 13 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1965

COAL CREEK AT BOW CITY - STATION NO. 05BN014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1965	---	0.849 ON OCT 21	0 ON JUL 16 *	---	1965
1966	---	0.283 ON AUG 20	0 ON MAY 22	1 100	1966
1967	---	1.93 ON MAY 8	0.003 ON SEP 23	2 880	1967
1968	---	2.33 ON SEP 22 *	0.008 ON SEP 10	5 010	1968
1969	---	0.895 ON MAY 28	0.003 ON AUG 9	3 870	1969
1970	---	1.42 ON JUL 2	0.003 ON JUL 18	3 870	1970
1971	---	0.263 ON OCT 23	0.003 ON JUN 21	2 430	1971
1972	---	0.496 ON SEP 5	0.008E ON MAY 1	2 480	1972
1973	---	0.572 ON JUN 17	0 ON MAY 7	2 870	1973
1974	---	0.436 ON OCT 15	0 ON MAY 11	2 430	1974
1975	---	0.630 ON MAY 7	0 ON MAY 17	2 380	1975
1976	---	0.343 ON AUG 8	0 ON MAY 1	1 320	1976
1977	---	0.297 ON AUG 14	0.002 ON OCT 28	1 370	1977
1978	---	0.515 ON AUG 23	0 ON MAY 21	707	1978
1979	---	0.816 ON AUG 10	0 ON MAY 28	3 110	1979
1980	---	0.857 ON JUL 28	0.002 ON MAY 12	3 480	1980
1981	---	0.780 ON JUN 15	0 ON MAY 1	3 110	1981
1982	---	0.736 ON JUN 7	0 ON MAY 1	3 320	1982
1983	---	0.852 ON AUG 15	0.002 ON MAY 10	3 210	1983
1984	0.844 AT 08:57 MST ON SEP 11 *	0.827 ON SEP 10	0 ON MAY 1	2 810	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 690	MEAN

E - ESTIMATED

COAL CREEK NEAR ORION - STATION NO. 05AF021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.089	0.031	---	---	---	---	---	---	---	---	---	1921
MEAN	---	---	0.089	0.031	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 15 45 N DRAINAGE AREA, 130 km²
LONG 110 51 10 W NATURAL FLOW

COAL CREEK NEAR ORION - STATION NO. 05AF021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	0.282 ON MAR 22 *	0 ON MAR 1 *	---	1921
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

COLQUHOUN CREEK NEAR GRANDE PRAIRIE - STATION NO 07GE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0 387	0 182	0 883	0 088	0	0	---	---	---	1983
1984	---	---	0 028	0 035	0 098	0 264	0 020	0 001	0 004	0 008	---	---	0 056	1984
MEAN	---	---	0 028	0 035	0 242	0 213	0 352	0 035	0 002	0 004	---	---	0 056	MEAN

LOCATION - LAT 55 17 07 N LONG 118 08 43 W DRAINAGE AREA, 130 km² DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

COLQUHOUN CREEK NEAR GRANDE PRAIRIE - STATION NO 07GE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	23 8 AT 18 58 MST ON APR 15 *	13 9 ON APR 15 *	0 ON JUN 10 *	---	1983
1984	3 55 AT 03 00 MST ON JUN 8	2 30 ON JUN 8	08 ON MAR 1	1 190	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 190	MEAN

COLUMBINE CREEK NEAR GLENDON - STATION NO 05AA901

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	0 323	0 003	0 003	0 007	0 010	---	---	---	---	1978
1980	---	---	---	1 32	0 108	0 240	0 103	0 059	0 050	---	---	---	---	1980
1981	---	---	---	0 578	0 027	0 104	0 012	0 001	0 008	---	---	---	---	1981
1982	---	---	---	0 728R	0 110R	0 007R	0 024R	0 005R	0 004R	0 002R	---	---	---	1982
MEAN	---	---	---	0 874R	0 142R	0 088R	0 036R	0 018R	0 018R	0 002R	---	---	---	MEAN

LOCATION - LAT 54 21 15 N LONG 111 08 40 W DRAINAGE AREA, 241 km² NATURAL FLOW DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT R - REVISED SINCE JAN 1980

COLUMBINE CREEK NEAR GLENDON - STATION NO 05AA901

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	9 90 AT 21 15 MST ON APR 24 *	9 23 ON APR 24 *	0 ON JUN 1 *	---	1978
1980	---	5 13B ON APR 12	0B ON APR 1	---	1980
1981	4 23 ON MAR 30	3 91B ON MAR 30	0 ON JUN 13	---	1981
1982	4 48R AT 07 59 MST ON APR 25	4 07RB ON APR 25	0RB ON APR 1	---	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		---	MEAN

COLUMBINE CREEK NEAR THE MOUTH - STATION NO 05AA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	0 008R	0 007R	0 002R	---	---	---	1982
1983	---	---	0 001	0 065	0 008	0 003	0 008	0 007	0 005	0 013	---	---	---	1983
1984	---	---	0 183	0 178	0 084	0 081	0 007	0 002	0 011	0 001	---	---	---	1984
MEAN	---	---	0 082	0 110	0 031	0 032	0 008	0 003R	0 008R	0 005R	---	---	---	MEAN

LOCATION - LAT 54 21 21 N LONG 111 08 22 W DRAINAGE AREA, 241 km² NATURAL FLOW R - REVISED SINCE JAN 1980

COLUMBINE CREEK NEAR THE MOUTH - STATION NO 05AA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	---	---	1982
1983	---	---	---	---	1983
1984	---	1 70B ON MAR 29 *	---	---	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CONJURING CREEK NEAR WIZARD LAKE - STATION NO. 08DF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	---	0.008	---	---	---	1924
1925	---	---	---	0.422	0.106	0.103	0.031	0.012	0.013	0.012	---	---	---	1925
1926	---	---	0.105	0.177	0.078	0.106	0.017	0.016	0.160	0.077	---	---	0.080	1926
1927	---	---	0	0.473	0.952	0.176	0.423	0.107	0.008	---	---	---	---	1927
1928	---	---	---	0.040	0.040	0.022	0.052	0.033	0.009	0.012	---	---	---	1928
1929	---	---	---	0.015	0.049	0.036	0.003	0	---	---	---	---	---	1929
1931	---	---	---	0	0	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.053	0.188	0.204	0.088	0.105	0.034	0.044	0.027	---	---	0.080	MEAN

LOCATION - LAT 53 06 25 N
LONG 115 49 30 W
DRAINAGE AREA, 49.0 km²
NATURAL FLOW

CONJURING CREEK NEAR WIZARD LAKE - STATION NO. 08DF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1924	---	---	---	---	1924
1925	---	1.27 ON APR 12	0.8 ON APR 1 *	---	1925
1926	---	0.2948 ON MAR 17	0.8 ON MAR 1	1 900	1926
1927	---	1.90 ON MAY 5 *	0.8 ON MAR 1	---	1927
1928	---	0.078 ON JUL 22	0 ON SEP 20	---	1928
1929	---	0.065 ON APR 28	0.8 ON APR 1	---	1929
1931	---	---	0 ON APR 1	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 900	MEAN

CONNELLY CREEK NEAR LUNDBRECK - STATION NO. 05AA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.133	0.055	0.032	---	---	---	1909
MEAN	---	---	---	---	---	---	---	0.133	0.055	0.032	---	---	---	MEAN

LOCATION - LAT 49 35 50 N
LONG 114 08 15 W
DRAINAGE AREA, 51.6 km²
NATURAL FLOW

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO. 07BB010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	0	0.329	---	---	---	---	---	---	---	---	---	1975
1976	---	---	0.014	---	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0.018	0.784	0.717	---	---	---	---	---	---	---	---	1977
1978	---	---	0.403	0.265	---	---	---	---	---	---	---	---	---	1978
1979	---	---	0.351	0.931	0.341	0.581	0.632	---	---	---	---	---	---	1979
MEAN	---	---	0.157	0.577	0.529	0.581	0.632	---	---	---	---	---	---	MEAN

LOCATION - LAT 54 02 53 N
LONG 115 02 31 W
DRAINAGE AREA, 54.6 km²
NATURAL FLOW

CONNOR CREEK NEAR ROCHFORT BRIDGE - STATION NO. 07BB010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	0.8 ON MAR 1 *	---	1975
1976	---	---	---	---	1976
1977	---	---	---	---	1977
1978	---	---	---	---	1978
1979	---	5.15 ON JUL 12 *	0.8 ON FEB 26	---	1979
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

CONNOR CREEK NEAR SANGUDO - STATION NO 07BB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0 074	0 003	0 003	---	---	---	1972
1973	---	---	0 107	0 006	0 336	0 766	0 088	0 024	0 033	0 091	---	---	0 251	1973
1980	---	---	0 018	3 03	0 186	0 534	0 284	0 344	0 031	0 003	---	---	0 418	1980
1981	---	---	1 08	0 708	0 187	0 078	0 007	0 021	0 001	0 001	---	---	0 280	1981
1982	---	---	0	2 98	0 448	0 170	0 372	0 030	0	0	---	---	0 481	1982
1983	---	---	0	0 587	0 023	0 064	0 843	0 122	0 074	0 001	---	---	0 189	1983
1984	---	---	0 122	0 048	0 010	0 274	0 004	0	0	0	---	---	0 067	1984
MEAN	---	---	0 221	1 18	0 193	0 311	0 236	0 088	0 020	0 014	---	---	0 278	MEAN

LOCATION - LAT 54 01 23 N
LONG 114 56 38 W
DRAINAGE AREA, 185 km²
NATURAL FLOW

CONNOR CREEK NEAR SANGUDO - STATION NO 07BB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	0 ON SEP 15 *	---	1972
1973	---	2 40 ON JUN 27	0B ON MAR 1	5 310	1973
1980	5 52 AT 08 00 MST ON APR 11	5 43 ON APR 11	0B ON MAR 1	8 870	1980
1981	4 52 AT 15 00 MST ON MAR 16	4 288 ON MAR 16	0 ON JUL 12	5 500	1981
1982	14 7 AT 08 25 MST ON APR 24 *	14 5 ON APR 24 *	0B ON MAR 1	10 400	1982
1983	2 38 AT 04 00 MST ON APR 8	2 288 ON APR 8	0B ON MAR 1	3 990	1983
1984	2 51 AT 00 50 MST ON JUN 10	2 38 ON JUN 10	0B ON MAR 1	1 700	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 680	MEAN

COOKING LAKE CREEK NEAR NORTH COOKING LAKE - STATION NO 05EB006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	0 004	---	---	0	---	---	---	---	---	1920
1922	---	---	---	0	0	0	0	0	0	0	0	---	---	1922
MEAN	---	---	---	0	0 002	0	0	0	0	0	0	---	---	MEAN

LOCATION - LAT 53 28 30 N
LONG 112 56 20 W
DRAINAGE AREA, 195 km²
NATURAL FLOW

COOKING LAKE CREEK NEAR NORTH COOKING LAKE - STATION NO 05EB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1920	---	---	0 ON AUG 1 *	---	1920
1922	---	0 004 ON APR 15 *	0 ON APR 1	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO 05AD012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	0 298	0 185	0 158	---	---	---	1923
1924	---	---	0 023	0 302	0 287	1 28	0 184	0 330	0 118	0 152	---	---	0 328	1924
1925	---	---	---	---	---	0 542	0 422	0 092	0 080	0 131	0 300	---	---	1925
1926	---	---	0 106	0 284	0 120	0 185	0 073	0 070	0 289	0 289	---	---	0 184	1926
1927	---	---	0 027	0 801	2 35	2 52	0 487	0 486	0 570	0 883	---	---	0 896	1927
1928	---	---	0 863	0 847	0 678	1 05	1 14	0 286	0 178	0 228	---	---	0 611	1928
1929	---	---	0 187	0 570	1 18	0 781	0 110	0 088	0 108	0 104	---	---	0 386	1929
1930	---	---	0 117	0 852	0 883	0 446	0 138	0 075	0 078	0 124	---	---	0 313	1930
1931	---	---	0 046	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0 182	0 505	0 850	0 886	0 320	0 210	0 200	0 285	---	---	0 488	MEAN

LOCATION - LAT 49 06 20 N
LONG 113 51 10 W
DRAINAGE AREA, 34 2 km²
NATURAL FLOW

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO 05AD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1923	---	---	---	---	1923
1924	---	3.91 ON JUN 7	0.0148 ON MAR 1	8 940	1924
1925	---	1.81 ON MAY 24	---	---	1925
1926	---	1.20 ON JUN 21	0.037 ON JUN 10	3 480	1926
1927	---	6.43 ON MAY 29 *	0 B ON MAR 23 *	21 100	1927
1928	---	5.32 ON JUL 1	0.0178 ON MAR 1	12 800	1928
1929	---	2.87 ON JUN 2	0 B ON MAR 1	8 180	1929
1930	---	2.35 ON MAY 13	0.0088 ON MAR 2	8 630	1930
1931	---	0.1228 ON MAR 31	0.014 ON MAR 8	---	1931
MEAN				9 870	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO 05AD903

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.288	0.485	0.093	0.057	0.065	0.084	---	---	0.171	1982
1983	---	---	---	---	0.202	0.075	0.020	0.012	0.029	---	---	---	---	1983
1984	---	---	---	0.087	0.068	0.053	0.008	0	0	0	---	---	0.021	1984
MEAN	---	---	---	0.087	0.189	0.194	0.040	0.023	0.031	0.032	---	---	0.096	MEAN

LOCATION - LAT 49 08 35 N
LONG 113 50 50 W
DRAINAGE AREA, 34.2 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

COTTONWOOD CREEK NEAR TWIN BUTTE - STATION NO 05AD903

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	1.85 AT 05 10 MST ON MAY 31 *	1.48 ON MAY 31 *	0.048 ON SEP 9	2 720	1982
1983	0.530 AT 23 28 MST ON MAY 17	0.439 ON MAY 17	---	---	1983
1984	---	0.221 ON JUN 22	0 ON JUL 11 *	337	1984
MEAN				1 530	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COW CREEK NEAR COWLEY - STATION NO 05AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.357	0.130	0.100	---	---	---	1909
1910	---	---	---	---	---	0.105	0.028	0.010	0.018	0.028	---	---	---	1910
1911	---	---	---	---	0.788	0.426	0.078	0.210	0.300	0.182	---	---	---	1911
1912	---	---	---	---	0.336	0.261	0.234	0.138	0.095	0.101	---	---	---	1912
1913	---	---	---	---	0.570	0.482	0.141	0.081	0.041	0.048	---	---	---	1913
1914	---	---	---	0.484	0.372	0.275	0.121	0.094	0.060	0.110	---	---	---	1914
1915	---	---	---	0.255	0.890	1.05	0.587	0.178	0.100	0.122	---	---	---	1915
1916	---	---	---	0.388	0.557	0.448	0.491	0.188	0.142	0.110	---	---	---	1916
MEAN	---	---	---	0.376	0.586	0.491	0.240	0.145	0.110	0.100	---	---	---	MEAN

LOCATION - LAT 49 39 18 N
LONG 114 09 26 W
DRAINAGE AREA, 82.1 km²
NATURAL FLOW

COW CREEK NEAR COWLEY - STATION NO 05AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	3.99 ON MAY 16 *	---	---	1911
1912	---	1.27 ON APR 11	---	---	1912
1913	---	---	---	---	1913
1914	---	1.27 ON APR 12	---	---	1914
1915	---	3.62 ON JUN 28	---	---	1915
1916	---	1.81 ON JUL 2	---	---	1916
MEAN				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

COYOTE CREEK NEAR CHERNILL - STATION NO. 07BB014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	0.001R	0.017R	0 R	0.001R	---	---	---	1981
1982	---	---	0	0.889	0.138	0.008	0.335	0.001	0.003	0.001	---	---	0.187	1982
1983	---	---	0.002	0.113	0.004	0.040	0.339	0.008	0	0	---	---	0.063	1983
1984	---	---	0.107	0.009	0.005	0.134	0.010	0	0.001	0.001	---	---	0.033	1984
MEAN	---	---	0.038	0.340	0.048	0.081	0.144R	0.008R	0.001R	0.001R	---	---	0.084	MEAN

LOCATION - LAT 53 52 22 N
LONG 114 40 10 W
DRAINAGE AREA, 57.8 km²
NATURAL FLOW

R - REVISED SINCE JAN 1980

COYOTE CREEK NEAR CHERNILL - STATION NO. 07BB014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	---	---	---	1981
1982	0.37 AT 18:40 MST ON APR 23 *	0.99 ON APR 23 *	0B ON MAR 1 *	3 330	1982
1983	1.28 AT 04:20 MST ON JUL 19	1.19 ON JUL 19	0B ON MAR 1	1 340	1983
1984	0.755 AT 14:00 MST ON JUN 10	0.734 ON JUN 10	0B ON MAR 1	704	1984
				1 790	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROOKED CREEK NEAR WATERTON PARK - STATION NO. 05AD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.033	0.018	0.411	0.553	---	---	---	1910
1911	---	---	---	---	---	1.02	0.432	1.28	2.86	0.614	---	---	---	1911
1912	---	---	---	0.877	0.854	0.402	0.838	0.151	---	---	0.284	---	---	1912
1913	---	---	---	---	---	1.02	0.404	0.293	0.129	0.293	---	---	---	1913
1914	---	---	---	---	0.988	0.751	0.245	0.132	0.171	0.843	---	---	---	1914
1915	---	---	---	0.508	1.30	2.58	1.72	1.24	1.07	---	---	---	---	1915
1916	---	---	---	1.28	1.52	2.58	1.51	0.273	0.271	0.287	---	---	---	1916
1917	---	---	---	---	2.95	2.87	0.405	0.086	0.091	0.087	---	---	---	1917
1918	---	---	---	---	0.815	0.477	0.107	0.084	0.140	0.121	---	---	---	1918
1919	---	---	0.005	0.380	0.428	0.282	0.053	0.008	0.001	0.023	---	---	---	1919
1920	---	---	0.158	0.575	1.91	1.17	0.498	0.088	0.030	0.047	---	---	---	1920
1921	---	---	---	0.848	0.881	0.852	0.208	0.023	0.021	0.088	---	---	---	1921
1922	---	---	0.028	0.853	1.51	0.998	0.388	0.083	0.018	0.010	---	---	---	1922
1923	---	---	---	0.832	0.717	2.21	0.380	0.421	0.088	0.152	---	---	---	1923
1924	---	---	0.081	0.482	0.828	2.51	0.243	0.287	0.088	0.130	---	---	---	1924
MEAN	---	---	0.083	0.685	1.22	1.39	0.482	0.298	0.381	0.247	0.284	---	---	MEAN

LOCATION - LAT 49 07 45 N
LONG 113 48 40 W
DRAINAGE AREA, 49.0 km²
NATURAL FLOW

CROOKED CREEK NEAR WATERTON PARK - STATION NO. 05AD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1910	---	---	0 ON JUL 25 *	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	3.80 ON JUN 28	---	---	1913
1914	---	2.18 ON OCT 18	---	---	1914
1915	---	10.5 ON AUG 20 *	---	---	1915
1916	---	8.88 ON APR 2	---	---	1916
1917	---	5.66 E ON MAY 25	---	---	1917
1918	---	0.983 ON MAY 18	---	---	1918
1919	---	1.02 ON MAY 9	0 ON AUG 21	---	1919
1920	---	4.02 ON MAY 13	---	---	1920
1921	---	2.58 ON JUN 2	0 ON SEP 1	---	1921
1922	---	2.72 ON MAY 30	0B ON MAR 1	---	1922
1923	---	8.94 ON JUN 22	---	---	1923
1924	---	8.58 ON JUN 8	---	---	1924
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	2.35	1.61	3.00	---	---	---	---	1951
1952	---	---	---	---	---	3.09	2.10	1.82	2.21	1.07	---	---	---	1952
1953	---	---	---	---	0.949	10.5	2.25	2.09	2.41	0.995	---	---	---	1953
1954	---	---	---	---	1.12	2.15	2.09	2.50	2.84	0.824	---	---	---	1954
1955	---	---	---	---	1.26	1.72	2.00	1.80	2.34	0.808	---	---	---	1955
1956	---	---	---	---	0.568	2.65	2.18	1.87	1.73	0.559	---	---	---	1956
1957	---	---	---	---	1.10	1.90	1.73	2.24	1.68	0.630	---	---	---	1957
1958	---	---	---	---	0.688	1.71	1.70	1.25	1.29	0.525	---	---	---	1958
1959	---	---	---	---	0.438	1.59	1.70	1.53	1.38	0.521	---	---	---	1959
1960	---	---	---	---	0.740	1.22	1.09	1.15	1.53	0.288	---	---	---	1960
1961	---	---	---	---	0.858	1.07	1.12	1.29	1.18	0.388	---	---	---	1961
1962	---	---	---	---	0.738	1.27	1.75	1.89	2.04	0.891	0.020	0.005	---	1962
1963	0	---	---	---	0.710	1.61	1.40	1.13	1.14	0.848	0.030	0.004	---	1963
1964	0	0	0.003	0.278	0.849	2.34	0.991	1.28	1.78	0.898	0.054	0.009	0.935	1964
1965	0	0	2.55	5.07	1.01	2.13	2.19	1.50	1.35	0.323	0.025	0.020	2.13	1965
1966	0	0	8.88	1.98	0.590	1.27	5.21	0.975	1.11	0.842	0.023	0.027	2.48	1966
1967	0.025	0.012	0.070	14.8	2.28	0.830	0.849	1.13	1.11	0.728	0.044	0.018	2.70	1967
1968	0.003	0.012	0.315	0.267	1.08	1.67	1.51	1.14	1.28	0.480	0.059	0.010	0.989	1968
1969	0	0	0.056	13.1	0.424	1.10	1.08	0.798	0.904	0.290	---	---	2.18	1969
1970	---	---	2.28	0.843	0.575	2.08	1.83	0.827	1.08	0.549	---	---	1.23	1970
1971	---	---	1.01	18.7	0.547	1.22	1.17	0.800	0.817	0.271	---	---	3.17	1971
1972	---	---	1.48	0.575	0.719	1.21	1.00	1.18	1.04	0.440	---	---	0.853	1972
1973	---	---	3.08	1.85	0.732	1.82	0.888	1.28	1.19	0.244	---	---	1.38	1973
1974	---	---	0.018	10.5	1.50	1.08	1.11	0.908	1.01	0.201	---	---	2.02	1974
1975	---	---	0	1.78	2.80	1.08	1.12	1.41	1.83	0.436	---	---	1.23	1975
1976	---	---	2.84	1.77	0.839	1.33	0.720	1.98	1.42	0.400	---	---	1.38	1976
1977	---	---	0.125	0.153	0.778	0.781	0.733	1.12	1.08	0.312	---	---	0.633	1977
1978	---	---	0.425	2.43	1.24	1.73	0.709	1.38	1.95	0.387	---	---	1.27	1978
1979	---	---	0.870	0.190	0.238	0.858	0.771	1.52	0.854	0.147	---	---	0.643	1979
1980	---	---	0.159	8.36	0.750	1.91	1.32	1.75	1.51	0.363	0.038	---	1.88	1980
1981	---	---	0.225	0.182	1.63	1.41	2.38	0.867	0.885	0.350	---	---	1.03	1981
1982	---	---	1.26	2.58	0.485	0.848	1.86	0.985	1.25	0.375	---	---	1.21	1982
1983	---	---	0.507	0.330	0.524	0.854	1.33	0.724	0.888	0.277	---	---	0.852	1983
1984	---	---	0.334	0.188	0.972	1.35	0.709	1.80	1.88	0.440	0.088	---	0.955	1984
MEAN	0.004	0.004	1.15	4.18	0.909	1.80	1.58	1.41	1.48	0.485	0.040	0.013	1.48	MEAN

LOCATION - LAT 50 50 00 N DRAINAGE AREA, 1 380 km²
LONG 112 45 40 W REGULATED SINCE 1914

CROWFOOT CREEK NEAR CLUNY - STATION NO. 05BM004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	11.2 AT 20:00 MST ON JUN 27	10.6 ON JUN 21	0 B ON MAR 1 *	20 900	1964
1965	---	30.8 B ON APR 7	0 B ON MAR 26	45 000	1965
1966	52.1 E ON JUL 3	38.6 E ON JUL 3	0 B ON MAR 1	52 500	1966
1967	85.5 B AT 19:00 MST ON APR 13	58.3 B ON APR 13	0 B ON MAR 8	57 100	1967
1968	4.76 AT 14:46 MST ON SEP 25	4.60 ON SEP 25	0.074 ON OCT 30	20 500	1968
1969	---	88.6 B ON APR 8 *	0 ~ B ON MAR 1	46 200	1969
1970	23.9 B AT 07:50 MST ON MAR 25	14.6 B ON MAR 25	0 B ON MAR 1	28 000	1970
1971	106 AT 01:30 MST ON APR 8 *	81.3 ON APR 8	0.0038 ON MAR 1	87 100	1971
1972	---	7.198 ON MAR 26	0 B ON MAR 1	20 200	1972
1973	18.8 B AT 11:00 MST ON MAR 25	13.8 B ON MAR 25	0.0288 ON MAR 1	28 600	1973
1974	85.5 B AT 07:30 MST ON APR 12	82.3 B ON APR 12	0.0038 ON MAR 7	42 700	1974
1975	19.3 B AT 14:30 MST ON APR 23	16.5 B ON APR 23	0 B ON MAR 1	28 000	1975
1976	---	11.1 B ON APR 1	0.0288 ON MAR 1	28 600	1976
1977	2.00 AT 12:00 MST ON JUN 1	1.91 ON JUN 1	0 B ON APR 20	13 400	1977
1978	20.3 B AT 15:00 MST ON APR 1	16.8 B ON APR 1	0.0038 ON MAR 1	28 800	1978
1979	2.878 AT 06:00 MST ON MAR 12	2.508 ON MAR 12	0 B ON MAR 1	13 800	1979
1980	78.0 AT 22:30 MST ON APR 13	58.6 ON APR 14	0 B ON MAR 1	42 200	1980
1981	4.84 AT 03:30 MST ON JUL 25	4.82 ON JUL 25	0.021 ON OCT 23	21 800	1981
1982	15.1 B AT 22:59 MST ON MAR 31	12.1 B ON APR 1	0 B ON MAR 1	25 800	1982
1983	3.888 AT 14:28 MST ON MAR 13	3.288 ON MAR 13	0.002 ON OCT 27	13 800	1983
1984	3.33 AT 19:52 MST ON SEP 28	3.21 ON SEP 28	0.004 ON MAR 17	20 200	1984
				31 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER AT FRANK - STATION NO. 05AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	3.08	3.18	5.95	---	---	---	1910
1911	1.42	1.31	1.65	6.33	10.2	24.2	8.41	6.22	6.67	3.96	1.94	1.79	7.02	1911
1912	1.30	1.17	1.05	5.50	11.1	10.5	10.2	4.45	2.70	2.12	2.14	1.53	4.49	1912
1913	1.48	1.17	1.01	7.14	13.3	16.3	7.38	5.04	3.41	3.13	2.40	1.45	5.26	1913
1914	1.82	1.38	1.46	6.75	13.7	11.1	6.66	3.98	3.50	6.21	4.81	2.77	5.37	1914
1915	1.81	1.61	1.48	6.85	15.6	12.7	9.40	4.89	2.88	2.98	2.33	1.54	5.35	1915
1916	1.53	1.77	2.83	6.44	14.0	25.6	14.6	5.09	3.46	2.27	1.85	1.35	6.81	1916
1917	1.28	1.24	1.05	1.18	10.6	17.9	6.81	3.61	2.41	1.89	1.35	1.10	4.66	1917
1918	1.63	1.17	1.33	6.66	12.4	13.9	4.66	2.99	2.29	2.61	1.64	1.41	4.42	1918
1919	1.59	1.23	1.30	6.15	15.1	10.5	4.46	1.94	1.46	1.34	1.12	0.736	3.82	1919
1920	0.844	0.976	0.887	---	---	---	---	---	---	---	---	---	---	1920
1948	---	---	---	---	---	8.68	2.25	1.67	1.68	1.56	---	---	---	1948
1950	---	---	1.41	3.49	17.5	20.2	9.33	3.59	2.31	2.73	---	---	---	1950
1951	---	---	---	6.27	29.6	18.7	11.9	6.41	6.84	7.42	---	---	---	1951
1952	---	---	1.72	10.6	12.1	9.50	5.76	3.26	2.17	1.85	---	---	---	1952
1953	---	---	1.13	2.81	17.1	31.5	10.6	4.81	2.86	2.29	---	---	---	1953
1954	---	---	1.10	2.41	26.6	24.1	12.1	5.36	4.26	3.45	---	---	---	1954
1955	---	---	1.43	2.06	10.0	17.2	8.82	3.63	2.41	2.79	---	---	---	1955
1956	---	---	1.83	6.21	24.5	17.5	9.57	4.14	2.86	2.38	---	---	---	1956
1957	---	---	1.63	2.86	19.3	9.58	4.28	2.34	1.84	1.83	---	---	---	1957
1958	---	---	1.26	2.04	18.6	9.55	6.22	2.96	2.10	1.97	---	---	---	1958
1959	---	---	1.26	6.07	20.0	23.6	10.1	4.66	4.76	4.61	---	---	---	1959
1960	---	---	2.54	5.95	11.9	12.7	5.94	3.74	2.44	1.71	---	---	---	1960
1961	---	---	1.33	2.29	22.1	15.1	8.00	3.17	2.61	3.18	---	---	---	1961
1962	---	---	1.28	5.86	10.4	10.8	4.96	2.61	2.24	1.84	---	---	---	1962
1963	---	---	1.36	2.33	6.66	13.0	13.1	3.79	2.88	2.49	---	---	---	1963
1964	---	---	1.27	2.33	16.7	22.6	8.36	3.66	2.82	2.49	1.83	1.34	---	1964
1965	1.27	1.25	1.61	4.15	13.6	20.5	9.26	5.47	3.15	3.36	2.03	1.40	5.69	1965
1966	1.26	1.30	1.87	6.23	18.9	15.4	7.07	4.02	2.87	2.10	1.79	1.41	5.15	1966
1967	1.15	1.24	1.30	2.04	18.9	26.7	10.3	4.03	2.60	2.01	1.92	1.65	6.32	1967
1968	1.65	1.40	1.65	1.66	14.6	18.4	8.61	3.92	3.44	3.66	2.46	1.79	4.66	1968
1969	1.52	1.42	1.46	7.77	15.0	16.2	9.61	3.34	2.21	1.62	1.37	1.09	5.27	1969
1970	1.02	0.969	0.885	0.929	11.5	14.0	5.43	2.51	2.06	1.69	1.37	1.45	3.69	1970
1971	1.06	1.40	1.09	3.40	22.2	17.5	7.78	3.56	2.79	2.32	1.88	1.49	5.56	1971
1972	1.26	1.23	3.36	4.97	26.3	27.6	9.66	5.67	3.60	2.63	2.31	1.99	7.76	1972
1973	1.47	1.36	1.39	1.76	8.86	10.4	4.37	2.61	1.93	1.33	1.27	1.09	3.26	1973
1974	1.66	1.26	1.46	5.36	22.5	26.3	10.6	5.14	3.20	2.26	1.79	1.52	7.11	1974
1975	1.26	1.06	1.10	1.60	14.1	24.1	11.4	4.70	3.19	2.61	2.86	3.66	5.66	1975
1976	2.36	1.76	1.63	4.91	18.0	8.49	6.96	12.2	4.36	3.06	2.33	1.44	5.56	1976
1977	1.39	1.31	1.26	2.44	6.06	4.70	2.41	2.61	2.79	1.83	1.60	1.29	2.40	1977
1978	0.882	0.856	1.27	2.86	13.1	12.7	8.46	3.96	3.06	2.34	2.01	1.60	4.64	1978
1979	1.10	1.06	1.24	2.16	14.6	11.6	4.66	2.66	1.86	1.46	1.11	1.23	3.72	1979
1980	1.10	1.06	1.06	4.66	13.0	8.46	4.17	2.47	2.46	1.82	1.60	2.03	3.76	1980
1981	2.13	1.76	1.70	3.74	21.6	15.6	6.61	4.21	2.36	2.02	1.46	1.52	5.61	1981
1982	1.13	1.46	1.24	1.61	9.42	12.6	6.32	3.01	2.26	2.24	1.66	1.40	3.72	1982
1983	1.26	1.17	1.27	2.67	6.66	6.44	6.00	2.76	1.61	1.46	1.27	1.26	3.24	1983
1984	1.61	1.21	1.11	2.16	6.71	6.93	6.16	2.73	1.94	1.66	1.41	1.16	3.03	1984
MEAN	1.43	1.26	1.46	4.23	15.7	16.1	7.76	3.67	3.00	2.63	1.90	1.66	4.67	MEAN

LOCATION - LAT 49 36 49 N DRAINAGE AREA, 402 km²
LONG 114 24 33 W NATURAL FLOW

CROWSNEST RIVER AT FRANK - STATION NO. 05AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	39.4 ON JUN 2	1.02 ON NOV 13	221 000	1911
1912	---	20.1 ON JUN 15	0.934 ON FEB 18	142 000	1912
1913	---	25.1 ON MAY 29	0.765 ON MAR 19	187 000	1913
1914	---	17.4 ON MAY 3	1.19 ON MAR 8	189 000	1914
1915	---	34.8 ON MAY 2	0.934 ON DEC 18	189 000	1915
1916	---	47.6 ON JUN 20	1.08 ON FEB 8	216 000	1916
1917	---	46.4 ON MAY 15	0.595 ON MAR 28 *	154 000	1917
1918	---	24.4 ON JUN 11	0.863 ON DEC 25	139 000	1918
1919	---	25.5 ON MAY 29	0.595 ON DEC 10	124 000	1919
1920	---	1.84 ON FEB 1	0.880 ON JAN 22	---	1920
1948	---	---	---	---	1948
1950	29.7 AT 23:00 MST ON MAY 27	28.6 ON MAY 22	---	---	1950
1951	47.0 AT 17:00 MST ON MAY 14	44.7 ON MAY 14	---	---	1951
1952	27.1 AT 22:00 MST ON APR 26	25.7 ON APR 27	---	---	1952
1953	73.9 AT 00:30 MST ON JUN 9 *	65.7 ON JUN 9 *	---	---	1953
1954	65.1 AT 23:00 MST ON MAY 19	58.9 ON MAY 20	---	---	1954
1955	25.8 AT 23:00 MST ON MAY 19	22.7 ON JUN 13	---	---	1955
1956	57.3 AT 22:00 MST ON MAY 20	54.1 ON MAY 21	---	---	1956
1957	31.7 AT 20:00 MST ON MAY 5	28.8 ON MAY 5	---	---	1957
1958	30.8 AT 20:00 MST ON MAY 12	25.8 ON MAY 13	---	---	1958
1959	37.1 AT 20:00 MST ON JUN 5	36.0 ON JUN 5	---	---	1959
1960	25.2 AT 02:00 MST ON MAY 13	24.0 ON MAY 13	---	---	1960
1961	62.9 AT 01:00 MST ON MAY 27	58.0 ON MAY 27	---	---	1961
1962	17.0 AT 23:00 MST ON APR 24	15.5 ON MAY 24	---	---	1962
1963	28.2 AT 18:00 MST ON JUN 30	28.6 ON JUN 30	---	---	1963
1964	50.4 AT 20:00 MST ON JUN 7	47.6 ON JUN 8	---	---	1964
1965	70.8 AT 01:00 MST ON JUN 18	58.7 ON JUN 18	0.793B ON JAN 7	178 000	1965
1966	30.9 AT 22:00 MST ON MAY 11	27.2 ON JUN 5	1.25 B ON DEC 31	182 000	1966
1967	---	47.0 ON MAY 31	1.12 B ON JAN 11	199 000	1967
1968	---	48.7 ON MAY 23	1.18 B ON DEC 29	188 000	1968
1969	29.7 AT 09:00 MST ON JUN 26	28.9 ON JUN 28	1.03 B ON DEC 17	188 000	1969
1970	20.5 AT 22:30 MST ON MAY 23	19.7 E ON MAY 24	0.884B ON APR 4	118 000	1970
1971	35.1 AT 20:00 MST ON MAY 27	34.0 ON MAY 28	0.895B ON JAN 7	178 000	1971
1972	62.6 AT 21:40 MST ON MAY 31	59.7 ON JUN 1	1.20 B ON JAN 20	245 000	1972
1973	21.3 AT 23.00 MST ON JUN 6	19.5 ON MAY 18	0.852B ON DEC 24	103 000	1973
1974	40.8 AT 21:00 MST ON MAY 26	38.8 A ON JUN 17	1.02 B ON JAN 1	224 000	1974
1975	---	48.7 ON JUN 20	0.881B ON FEB 28	188 000	1975
1976	33.7 AT 15:00 MST ON AUG 8	27.7 ON AUG 9	0.894B ON DEC 28	178 000	1976
1977	7.79 AT 08:30 MST ON MAY 11	7.36 ON MAY 11	1.08 B ON DEC 20	78 800	1977
1978	22.3 AT 05:30 MST ON JUN 6	21.9 ON JUN 6	0.868B ON JAN 10	143 000	1978
1979	33.2 AT 01:30 MST ON MAY 27	30.1 ON MAY 27	0.738B ON NOV 30	117 000	1979
1980	23.6 AT 04:25 MST ON APR 30	21.7 ON APR 30	0.847B ON FEB 18	120 000	1980
1981	43.1 AT 23:40 MST ON MAY 25	41.6 ON MAY 26	1.03 ON NOV 28	177 000	1981
1982	---	18.6 E ON MAY 26	1.02 B ON JAN 21	117 000	1982
1983	15.6 AT 04:25 MST ON MAY 27	15.1 ON MAY 27	0.920B ON FEB 3	102 000	1983
1984	13.8 AT 05:18 MST ON MAY 31	13.2 ON MAY 31	0.887 ON DEC 5	98 700	1984
				157 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

CROWSNEST RIVER NEAR COLEMAN - STATION NO. 05AA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	2.72	2.81	3.34	---	---	---	1910
1911	---	---	---	1.78	7.18	13.5	8.57	4.04	4.37	1.88	2.51	0.988	---	1911
1912	1.05	0.894	0.868	1.34	3.82	5.28	5.37	3.78	2.00	1.62	1.77	1.15	2.31	1912
1913	0.793	0.885	0.701	1.85	4.46	9.33	5.42	4.24	2.70	2.50	2.01	1.69	3.04	1913
1914	1.21	0.934	1.25	2.88	8.08	7.38	5.72	3.09	2.48	3.85	2.78	1.67	3.44	1914
1915	1.25	0.934	1.08	2.17	8.78	7.28	5.07	3.58	2.03	1.98	1.80	1.31	3.03	1915
1916	0.878	1.83	1.33	2.08	4.82	12.6	8.32	4.28	2.82	1.81	1.01	0.883	3.81	1916
1917	0.888	0.772	0.783	0.728	8.01	8.74	6.22	3.77	1.83	1.28	1.08	0.798	2.83	1917
1918	1.08	0.886	0.748	1.83	4.88	8.88	3.73	2.23	1.80	1.44	1.17	1.28	2.84	1918
1919	1.28	1.11	1.00	1.97	7.20	8.08	3.78	1.74	1.18	1.14	0.888	0.802	2.33	1919
1920	0.781	0.742	0.718	---	---	----	---	---	---	---	---	---	---	1920
MEAN	1.01	0.932	0.940	1.85	5.90	8.87	5.80	3.24	2.39	2.05	1.87	1.15	2.88	MEAN

LOCATION - LAT 49 37 50 N
LONG 114 33 53 W
DRAINAGE AREA, 177 km^2
REGULATED

CROWSNEST RIVER NEAR COLEMAN - STATION NO. 05AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	19.0 ON JUN 3	---	---	1911
1912	---	8.01 ON JUN 17	0.7368 ON MAR 25	73 200	1912
1913	---	11.0 ON JUN 13	0.6238 ON FEB 5	85 800	1913
1914	---	10.8 ON MAY 21	0.7938 ON FEB 20	108 000	1914
1915	---	10.4 ON MAY 10	0.8218 ON FEB 19	85 800	1915
1916	---	20.5 ON JUN 21	0.8808 ON NOV 18	114 000	1916
1917	---	19.8 ON MAY 28	0.445 ON APR 20	89 300	1917
1918	---	22.0 ON JUN 9 *	0.4838 ON JAN 30	80 200	1918
1919	---	13.0 ON MAY 28	0.1598 ON DEC 14 *	73 600	1919
1920	---	1.268 ON FEB 20	0.3268 ON JAN 22	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		91 200	MEAN

CROWSNEST RIVER NEAR LUNDBRECK - STATION NO. 05AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	---	4.23	---	---	---	1908
1909	---	---	---	---	24.0	40.5	22.2	11.2	5.30	4.05	4.98	---	---	1909
1910	---	---	---	12.5	16.5	12.7	6.95	3.90	3.40	8.20	---	---	---	1910
1911	2.41	2.57	3.15	9.87	27.7	28.2	10.9	9.77	15.8	7.28	4.98	2.24	10.4	1911
1912	2.78	2.44	2.75	9.17	15.0	13.2	13.6	6.77	4.29	3.74	4.11	2.97	6.76	1912
1913	3.20	1.94	2.17	11.6	20.0	20.3	9.35	6.80	4.65	4.20	3.40	2.90	7.48	1913
1914	2.38	2.05	2.59	9.42	17.1	12.4	7.68	5.02	4.78	8.76	6.38	3.49	6.88	1914
1915	3.70	2.23	2.88	6.88	24.4	17.0	13.0	7.11	4.55	4.53	3.85	2.80	7.90	1915
1916	1.74	4.07	7.01	11.4	20.1	31.6	16.8	7.66	5.42	4.12	3.04	1.83	8.72	1916
1917	2.04	1.87	1.48	2.87	23.7	26.2	10.7	5.41	3.74	2.79	2.38	2.04	7.13	1917
1918	3.05	1.48	2.84	11.3	16.8	16.0	8.66	4.81	4.39	3.46	3.23	2.33	6.37	1918
1919	2.27	1.87	2.86	8.56	18.5	12.2	6.32	3.30	2.51	2.59	2.44	1.25	5.49	1919
1920	1.18	1.48	2.05	5.47	22.2	20.3	12.0	4.49	2.94	3.34	2.18	1.80	5.82	1920
1921	2.01	2.88	2.80	6.85	19.5	17.0	7.35	4.10	3.01	2.95	2.63	1.87	5.08	1921
1922	1.77	1.53	1.89	3.88	18.4	14.5	8.02	3.43	2.88	2.32	1.84	1.48	4.86	1922
1923	1.81	1.38	1.88	6.88	24.2	51.4	15.2	6.48	4.08	3.03	2.38	2.03	10.0	1923
1924	1.77	2.19	1.71	3.16	10.4	15.3	7.88	5.40	3.30	2.93	2.38	2.27	4.88	1924
1925	2.21	1.95	2.39	16.3	21.5	12.8	5.53	3.68	3.28	2.87	2.40	2.04	6.42	1925
1926	1.41	1.43	1.42	4.87	4.28	4.85	3.55	2.44	9.62	9.89	4.50	3.29	4.29	1926
1927	2.54	2.49	3.05	8.32	23.7	28.4	13.3	6.62	12.5	8.47	5.98	5.35	10.2	1927
1928	4.26	3.98	5.84	9.52	26.7	17.9	16.9	6.31	5.28	8.73	4.49	3.58	9.84	1928
1929	2.41	2.28	4.24	4.54	17.8	24.8	7.06	3.58	3.04	2.50	2.19	2.38	6.42	1929
1930	1.72	2.47	2.27	11.1	16.2	16.1	7.22	3.71	3.00	2.75	2.25	1.81	5.88	1930
1931	1.69	2.08	1.72	2.37	---	---	---	---	---	---	---	---	---	1931
MEAN	2.24	2.21	2.76	8.14	19.5	20.7	10.5	5.54	5.09	4.80	3.43	2.46	7.18	MEAN

LOCATION - LAT 49 35 40 N DRAINAGE AREA, 676 km^2
LONG 114 10 15 W NATURAL FLOW

CROWSNEST RIVER NEAR LUNDBRECK - STATION NO. 05AA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	75.6 ON JUL 28	---	---	1909
1910	---	23.6 ON APR 27	---	---	1910
1911	---	69.7 ON MAY 16	1.61 B ON DEC 18	329 000	1911
1912	---	25.8 ON JUN 16	1.93 B ON DEC 10	214 000	1912
1913	---	34.5 ON MAY 28	1.70 B ON FEB 5	238 000	1913
1914	---	24.2 ON MAY 3	1.84 B ON FEB 16	218 000	1914
1915	---	41.8 ON MAY 3	1.47 B ON DEC 31	249 000	1915
1916	---	53.0 ON JUN 22	1.28 B ON DEC 15	307 000	1916
1917	---	42.2 ON MAY 15	1.13 B ON MAR 21	226 000	1917
1918	---	30.6 ON MAY 4	1.27 B ON FEB 19	201 000	1918
1919	---	28.2 ON MAY 29	0.8238 ON DEC 10	173 000	1919
1920	---	37.1 ON MAY 12	0.5368 ON JAN 20 *	209 000	1920
1921	---	27.8 ON MAY 23	0.9838 ON MAR 11	181 000	1921
1922	---	31.4 ON MAY 16	1.18 B ON DEC 15	157 000	1922
1923	---	143 ON JUN 1 *	1.25 B ON FEB 12	316 000	1923
1924	---	20.6 ON JUN 23	1.36 B ON MAR 17	184 000	1924
1925	---	31.1 ON MAY 22	1.42 B ON DEC 30	203 000	1925
1926	---	15.0 ON SEP 8	1.40 B ON JAN 8	135 000	1926
1927	---	48.7 ON JUN 11	2.01 B ON JAN 21	320 000	1927
1928	---	41.8 ON JUL 2	2.83 B ON DEC 30	305 000	1928
1929	---	88.8 ON JUN 3	1.78 B ON NOV 21	202 000	1929
1930	---	23.1 ON JUN 8	1.42 B ON DEC 31	185 000	1930
1931	---	---	---	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		228 000	MEAN

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	3.30	2.10	1.35	1.26	1.15	---	---	---	1970
1971	---	---	---	---	15.9	34.7	31.1	2.59	3.47	5.69	---	---	15.6	1971
1972	---	---	---	---	16.7	38.4	7.47	5.39	4.54	16.3	---	---	15.2	1972
1973	---	---	---	---	19.4	8.64	2.47	3.28	2.30	2.97	---	---	8.19	1973
1974	---	---	---	---	37.4	10.8	3.31	1.73	1.84	1.62	---	---	9.80	1974
1975	---	---	---	---	11.8	12.0	16.1	2.40	1.80	1.42	---	---	7.85	1975
1976	---	---	---	---	19.6	11.0	9.15	21.9	6.46	2.98	---	---	11.9	1976
1977	---	---	---	---	28.8	10.7	16.9	6.05	5.83	10.2	---	---	13.4	1977
1978	---	---	---	---	11.8	8.87	8.64	4.48	11.7	3.77	---	---	8.17	1978
1979	---	---	---	---	24.1	13.6	7.28	1.98	1.77	1.38	---	---	8.38	1979
1980	---	---	---	---	5.19	38.1	9.23	5.82	10.8	3.77	---	---	12.2	1980
1981	---	---	---	---	10.6	8.80	7.48	4.25	1.32	1.29	---	---	5.30	1981
1982	---	---	---	---	23.8	8.82	38.0	20.5	5.40	4.18	---	---	18.5	1982
1983	---	---	0.517	6.78	7.51	10.7	25.2	3.74	1.92	1.58	---	---	8.46	1983
1984	---	---	0.582	3.11	14.5	11.8	1.87	1.20	8.18	5.00	---	---	7.06	1984
MEAN	---	---	0.550	4.95	17.8	15.0	12.4	5.85	4.62	4.23	---	---	10.4	MEAN

LOCATION - LAT 54 30 57 N
LONG 118 57 47 W
DRAINAGE AREA, 844 km²
NATURAL FLOW

CUTBANK RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	198 ON JUL 11	1.35 B ON OCT 27	248 000	1971
1972	765 A AT 15:00 MST ON JUN 12	464 A ON JUN 12	2.39 ON SEP 4	242 000	1972
1973	41.3 AT 23:30 MST ON MAY 4	38.2 ON MAY 5	0.879 ON AUG 15	88 400	1973
1974	53.5 AT 02:00 MST ON MAY 11	51.3E ON MAY 1	1.03 ON SEP 4	151 000	1974
1975	127 AT 23:00 MST ON JUN 28	90.3E ON JUN 29	1.01 ON OCT 4	120 000	1975
1976	108 AT 02:00 MST ON JUL 2	73.3 ON AUG 17	2.34 ON OCT 24	169 000	1976
1977	227 A AT 03:00 MST ON MAY 6	159 A ON MAY 6	3.14 ON SEP 14	213 000	1977
1978	78.7 AT 17:00 MST ON SEP 18	45.0 ON SEP 18	2.31 ON AUG 10	130 000	1978
1979	87.1 AT 10:30 MST ON MAY 18	56.0 ON MAY 18	0.824 ON OCT 5 *	133 000	1979
1980	274 AT 10:00 MST ON JUN 4	249 E ON JUN 4	2.18 ON AUG 5	194 000	1980
1981	89.5 AT 22:30 MST ON JUL 29	59.2 ON JUL 30	0.888 ON SEP 19	84 200	1981
1982	800 R ON JUL 15 *	505 A ON JUL 15 *	3.00 E ON JUL 2	283 000	1982
1983	103 AT 20:30 MST ON JUL 15	64.7 ON JUL 16	1.39 A ON OCT 25	135 000	1983
1984	71.2 AT 05:30 MST ON MAY 17	52.4 ON MAY 17	0.842 ON JUL 30	112 000	1984
				185 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.032	1.04	0.533	0.575	0.723	0.442	0.488	0.783	---	---	0.572	1973
1974	---	---	0	10.2	9.03	0.595	0.345	0.178	0.214	0.080	---	---	2.57	1974
1975	---	---	0	0.647	0.857	0.380	0.894	0.853	1.22	0.690	---	---	0.743	1975
1976	---	---	0.198	3.43	0.711	0.026	0.022	0.006	0.009	0.230	---	---	0.572	1976
1977	---	---	0.019	2.68	0.718	1.28	0.864	0.474	0.333	0.853	---	---	0.898	1977
1978	---	---	0.178	3.62	1.81	0.824	0.343	0.305	2.14	2.80	---	---	1.48	1978
1979	---	---	0.230	5.85	8.13	1.41	4.89	1.79	0.581	0.231	---	---	2.89	1979
1980	---	---	0.010	0.781	0.108	0.018	0.133	0.412	0.452	0.387	---	---	0.284	1980
1981	---	---	0.513	4.86	1.15	0.284	0.828	0.837	0.157	0.283	---	---	1.04	1981
1982	---	---	0.018	3.12	2.67	0.353	0.077	0.032	0.011	0.001	---	---	0.780	1982
1983	---	---	0	0.262	0.248	0.083	0.190	0.217	0.034	0.018	---	---	0.128	1983
1984	---	---	0.227	0.218	0.011	0.015	0.088	0.021	0.025	0.028	---	---	0.078	1984
MEAN	---	---	0.118	3.04	1.89	0.495	0.750	0.447	0.473	0.547	---	---	0.878	MEAN

LOCATION - LAT 54 18 30 N
LONG 113 50 55 W
DRAINAGE AREA, 563 km²
NATURAL FLOW

DAPP CREEK AT HIGHWAY NO. 44 - STATION NO. 07BC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	1.77 ON APR 10	0 B ON MAR 1 *	12 100	1973
1974	---	28.6 ON APR 25 *	0 B ON MAR 1	54 300	1974
1975	---	3.13 ON APR 27	0 B ON MAR 1	15 700	1975
1976	---	5.52 B ON APR 8	0 ON AUG 11	12 100	1976
1977	---	9.77 B ON APR 10	0.0148 ON MAR 14	19 000	1977
1978	---	4.80 B ON APR 8	0.0885 ON MAR 12	31 300	1978
1979	---	18.0 ON APR 24	0.108 ON OCT 13	54 900	1979
1980	---	1.50 ON APR 12	0 ON MAY 18	5 000	1980
1981	---	9.77 B ON APR 3	0.0028 ON MAR 1	22 100	1981
1982	---	11.3 ON APR 23	0 B ON MAR 1	18 500	1982
1983	---	0.672 ON APR 8	0 B ON MAR 1	2 740	1983
1984	---	1.14 B ON MAR 25	0.001E ON SEP 2	1 870	1984
				20 700	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEAD FISH CREEK NEAR HUTTON - STATION NO. 05CH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	0.003	0.390	0.008	---	---	---	---	---	---	---	---	1938
MEAN	---	---	0.003	0.390	0.008	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 01 00 N DRAINAGE AREA, 268 km²
LONG 111 48 00 W REGULATED

DEAD FISH CREEK NEAR HUTTON - STATION NO. 05CH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1938	---	0.00E ON APR 11 *	0E ON MAR 1 *	---	1938
	B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD			---	MEAN
	E - ESTIMATED				

DEADFISH INFLOW CANAL NEAR CESSFORD - STATION NO. 05CH012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	0	0	0.054	0.392	---	---	---	1983
1984	---	---	0	0	0	0	0.429	0.675	0.353	0	---	---	0.183	1984
MEAN	---	---	0	0	0	0	0.215	0.338	0.204	0.196	---	---	0.183	MEAN

LOCATION - LAT 51 00 53 N
LONG 111 48 32 W

DEADFISH INFLOW CANAL NEAR CESSFORD - STATION NO. 05CH012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	---	---	0A ON JUN 8 *	---	1983
1984	---	0.980 ON JUL 15 *	0 ON MAR 1	3 880	1984
A - MANUAL GAUGE (SEE REFERENCE INDEX)		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 880	MEAN

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO. 05CA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.047	0.027	0.014	0.011	---	---	---	1966
1967	---	---	---	---	0.081	0.136	0.034	0.013	0.004	0.004	0.003	0.002	---	1967
1968	0.001	0.001	0.002	0.007	0.018	0.017	0.009	0.010	0.012	0.013	0.008	0.005	0.008	1968
1969	0.003	0.001	0.002	0.031	0.084	0.084	0.210	0.038	0.019	0.011	---	---	---	1969
1970	---	---	---	---	---	0.092	0.051	0.018	0.011	---	---	---	---	1970
1971	---	---	0.001	0.015	0.013	0.027	0.011	0.004	0.003	0.003	---	---	---	1971
1972	---	---	0.003	0.010	0.038	0.075	0.065	0.035	0.020	0.012	---	---	---	1972
1973	0.003	0.003	0.003	0.010	0.080	0.088	0.028	0.013	0.009	0.008	0.003	0.001	0.021	1973
1974	0.001	0.001	0.001	0.018	0.057	0.058	0.021	0.011	0.009	0.009	0.004	0.002	0.018	1974
1975	---	---	---	---	---	---	---	0.018	0.008	---	---	---	---	1975
1976	0.001	0.001	0	0.005	0.010	0.011	0.008	0.015	0.011	0.010	0.002	0.002	0.006	1976
1977	0.001	0	0	0.003	0.033	0.030	0.013	0.018	0.017	0.015	0.008	0	0.011	1977
1978	0	0	0	0.038	0.053	0.077	0.036	0.029	0.024	0.013	---	---	---	1978
1979	---	0	0.001	0.011	0.030	0.040	0.044	0.016	0.007	0.004	0.004	---	---	1979
1980	---	---	0.001	0.003	0.018	0.052	0.023	0.015	0.012	0.008	---	---	---	1980
1981	---	---	0.002	0.005	0.058	0.054	0.132	0.052	0.014	0.017	---	---	---	1981
1982	---	---	0	0	0.033	0.037	0.071	0.032	0.018	0.011	---	---	---	1982
1983	---	---	0.001	0.013	0.028	0.032	0.068	0.018	0.008	0.008	---	---	---	1983
1984	---	---	0.001	0.004	0.008	0.039	0.009	0.003	0.004	0.004	---	---	---	1984
MEAN	0.001	0.001	0.001	0.011	0.038	0.058	0.049	0.020	0.012	0.008	0.004	0.002	0.012	MEAN

LOCATION - LAT 51 39 25 N DRAINAGE AREA, 5.44 km²
LONG 115 08 00 W NATURAL FLOW

DEER CREEK (MAIN STEM) NEAR SUNDRE - STATION NO. 05CA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	1.94 AT 20:00 MST ON MAY 30 *	0.899 ON MAY 30	---	---	1967
1968	0.956 AT 19:30 MST ON APR 28	0.948 ON APR 29	0.001E ON JAN 4	286	1968
1969	0.886 AT 04:00 MST ON JUN 29	0.899 ON JUN 29	0.001E ON JAN 30	---	1969
1970	0.621 AT 07:21 MST ON JUN 15	0.840 ON JUN 15	---	---	1970
1971	0.136 AT 04:30 MST ON JUN 8	0.096 ON JUN 8	---	---	1971
1972	0.787 AT 07:30 MST ON JUN 25	0.498 ON JUN 25	---	---	1972
1973	0.328 AT 17:50 MST ON MAY 27	0.285 ON MAY 27	0 ON DEC 26 *	855	1973
1974	0.178 AT 18:50 MST ON MAY 24	0.142 ON MAY 24	0 B ON DEC 29	519	1974
1975	---	---	---	---	1975
1976	0.956 AT 11:00 MST ON AUG 8	0.937 ON JUN 15	0 B ON FEB 15	184	1976
1977	0.982 AT 17:30 MST ON MAY 15	0.982 ON MAY 29	0 E ON JAN 21	380	1977
1978	0.891 AT 15:30 MST ON APR 28	0.405 ON APR 28	0 ON JAN 1	---	1978
1979	0.252 AT 11:45 MST ON JUN 20	0.131 ON JUN 20	0 B ON JAN 8	---	1979
1980	0.142 AT 19:00 MST ON JUN 4	0.108 ON JUN 4	0 ON JAN 28	---	1980
1981	1.59 AT 08:45 MST ON JUL 30	0.728 ON JUL 30 *	---	---	1981
1982	0.239 AT 18:54 MST ON JUL 4	0.135 ON JUL 4	0 B ON JAN 5	---	1982
1983	0.325 AT 04:01 MST ON JUL 3	0.202 ON JUL 3	---	---	1983
1984	---	---	---	---	1984
				399	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DEER CREEK AT DICKINSON'S RANCH - STATION NO. 11AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	0.312	0.180	0.147	---	---	---	---	---	1911
1915	---	---	---	---	---	0.308	0.102	0.042	0.033	0.031	---	---	---	1915
MEAN	---	---	---	---	---	0.309	0.141	0.095	0.033	0.031	---	---	---	MEAN

LOCATION - LAT 49 02 00 N
LONG 111 32 30 W
DRAINAGE AREA, 18.9 km^2
NATURAL FLOW

DEER CREEK CATTLE CO. DITCH - STATION NO. 11AA022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	0.044	0.038	---	---	---	---	---	---	---	1923
1924	---	---	---	---	0.033	0.083	---	---	---	---	---	---	---	1924
1925	---	---	---	0.080	0.048	---	---	---	---	---	---	---	---	1925
1928	---	---	---	---	0.008	0.009	---	---	---	---	---	---	---	1928
1928	---	---	---	---	---	---	---	---	---	---	---	---	---	1928
1929	---	---	---	---	---	---	---	---	---	---	---	---	---	1929
1930	---	---	---	---	0.022	0.002	---	---	---	---	---	---	---	1930
MEAN	---	---	---	0.080	0.029	0.033	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N
LONG 111 30 00 W
REGULATED

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	0 ON JUN 4 *	---	1923
1924	---	---	0 ON MAY 25	---	1924
1925	---	---	0 ON MAR 28	---	1925
1928	---	---	0 ON MAY 1	---	1928
1928	---	---	0 ON APR 28	---	1928
1929	---	---	0 ON JUL 14	---	1929
1930	---	---	0 ON MAY 21	---	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DEER CREEK CATTLE CO. EAST DITCH - STATION NO. 11AA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.114	0.038	0.018	0.018	---	---	---	---	---	---	1912
1915	---	---	---	0.040	0.057	0.047	0.054	---	0.008	---	---	---	---	1915
MEAN	---	---	---	0.077	0.047	0.032	0.036	---	0.008	---	---	---	---	MEAN

LOCATION - LAT 49 05 00 N
LONG 111 30 00 W
REGULATED

DEER CREEK CATTLE CO. EAST DITCH - STATION NO. 11AA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUN 30 *	---	1912
1915	---	---	0 ON JUN 8	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

DEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	---	0.087	0.082	---	---	1966
1967	---	---	---	---	---	0.544	0.104	0.045	0.022	0.024	0.021	---	---	1967
1968	---	---	---	---	0.255	0.188	0.302	0.239	0.094	0.052	0.028	---	---	1968
1969	---	---	---	---	0.288	0.289	0.523	---	0.072	0.059	---	---	---	1969
1970	---	---	---	---	0.282	0.248	0.050	0.033	0.025	0.012	---	---	---	1970
1971	---	---	---	0.053	0.300	0.613	0.327	0.073	0.071	0.119	---	---	0.222	1971
1972	---	---	---	---	0.457	0.532	0.221	0.073	0.150	0.172	---	---	---	1972
1973	---	---	---	0.006	0.537	0.287	0.129	0.071	0.081	0.084	---	---	0.169	1973
1974	---	---	---	0.144	0.539	0.238	0.149	0.066	0.070	0.053	---	---	0.195	1974
1975	---	---	---	0.018	0.330	0.227	0.119	0.035	0.038	0.027	---	---	0.113	1975
1976	---	---	---	0.098	0.324	0.238	0.094	0.228	0.102	0.084	---	---	0.184	1976
1977	---	---	---	0.084	0.872	0.384	0.315	0.230	0.307	0.140	---	---	0.345	1977
1978	---	---	---	0.184	0.521	0.429	0.288	0.185	0.304	0.089	---	---	0.276	1978
1979	---	---	---	0.057	0.348	0.298	0.118	0.052	0.038	0.052	---	---	0.138	1979
1980	---	---	---	0.283	0.338	1.37	0.434	0.152	0.215	0.108	---	---	0.410	1980
1981	---	---	---	0.082	0.287	0.245	0.305	0.102	0.080	0.044	---	---	0.168	1981
1982	---	---	---	0.101	0.328	0.341	0.778	0.242	0.208	0.285	---	---	0.324	1982
1983	---	---	---	0.147	0.287	0.225	0.118	0.030	0.021	0.022	---	---	0.123	1983
1984	---	---	---	0.084	0.184	0.330	0.061	0.025	0.146	0.224	---	---	0.152	1984
MEAN	---	---	---	0.098	0.384	0.389	0.248	0.112	0.111	0.090	0.037	---	0.218	MEAN

LOCATION - LAT 53 08 20 N DRAINAGE AREA, 14.0 km^2
LONG 117 14 36 W NATURAL FLOW

DEERLICK CREEK NEAR HINTON - STATION NO. 07AF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	2.01 AT 10:00 MST ON JUN 8	1.71 ON JUN 8	---	---	1967
1968	1.38 AT 03:50 MST ON JUL 22	1.15 ON JUL 22	---	---	1968
1969	11.8 AT 15:00 MST ON AUG 5 *	---	---	---	1969
1970	3.08 AT 08:50 MST ON JUN 15	1.52 ON JUN 15	---	---	1970
1971	2.38 AT 20:00 MST ON JUN 9	2.20 ON JUN 9	0.0038 ON APR 1	4 110	1971
1972	2.60 AT 20:00 MST ON JUN 25	1.69 ON JUN 25	---	---	1972
1973	1.21 AT 19:30 MST ON MAY 15	0.908 ON MAY 15	0.0018 ON APR 1 *	3 120	1973
1974	1.288 AT 15:00 MST ON MAY 9	1.08 B ON MAY 8	0.0088 ON APR 1	3 810	1974
1975	---	0.7318 ON MAY 9	0.0088 ON APR 1	3 080	1975
1976	---	0.8728 ON MAY 1	0.0088 ON APR 1	3 030	1976
1977	3.88 AT 15:50 MST ON MAY 29	2.44 ON MAY 22	0.0188 ON APR 21	8 370	1977
1978	---	1.78 B ON MAY 15	0.0108 ON APR 1	5 140	1978
1979	1.33 AT 07:00 MST ON JUN 20	0.820 ON JUN 20	0.0138 ON APR 1	3 840	1979
1980	11.3 AT 13:50 MST ON JUN 4	5.78 ON JUN 4 *	0.0308 ON APR 1	7 980	1980
1981	1.18 AT 08:05 MST ON JUL 30	0.885 ON JUL 30	0.0108 ON APR 1	3 120	1981
1982	5.47 AT 15:30 MST ON JUL 4	3.82 ON JUL 5	0.0038 ON APR 1	6 000	1982
1983	1.00 AT 08:05 MST ON JUN 24	0.782 ON JUN 24	0.0108 ON APR 10	2 270	1983
1984	1.33 AT 15:40 MST ON JUN 8	1.10 ON JUN 8	0.017 ON AUG 28	2 800	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 980	MEAN

DEVIL'S CREEK NEAR BANKHEAD - STATION NO. 05BD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	3.25	3.33	2.98	2.18	1.80	1.52	---	1910
1911	1.59	1.38	1.08	1.08	1.68	8.03	5.70	5.84	5.10	3.44	2.88	1.48	3.08	1911
1912	---	1.31	1.02	0.188	1.36	0	---	---	---	---	---	---	---	1912
MEAN	1.88	1.30	1.48	0.615	1.51	3.02	4.48	4.44	3.84	2.81	2.18	1.80	3.08	MEAN

LOCATION - LAT 51 15 00 N
LONG 115 28 00 W NATURAL FLOW

DEVIL'S CREEK NEAR BANKHEAD - STATION NO. 05BD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	8.35 ON JUN 30 *	0.536 ON MAR 28	98 500	1912
		---	0 ON JUN 1 *	---	
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		98 500	MEAN

DICKSON DAM TUNNEL OUTLET - STATION NO. 05CB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	30.0	25.5	17.8	20.9	17.8	16.8	---	1983
1984	16.7	16.5	16.2	17.0	37.4	16.5	19.4	28.7	23.4	20.5	16.7	16.3	20.5	1984
MEAN	16.7	16.5	16.2	17.0	37.4	16.5	38.7	27.7	20.5	20.7	17.3	16.5	20.5	MEAN

LOCATION - LAT 52 03 30 N DRAINAGE AREA, 5 600 km^2
LONG 114 13 02 W REGULATED SINCE 1983

DICKSON DAM TUNNEL OUTLET - STATION NO. 05CB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	---	---	1983
1984	---	62.3 ON MAY 19 *	12.5 ON JUN 30 *	647 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		647 000	MEAN

DOG RIVER NEAR FITZGERALD - STATION NO. 07NB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	0.080	0.264	0.398	---	1972
1973	---	---	---	0.903	5.82	---	---	2.84	2.24	---	3.17	1.93	---	1973
1974	1.77	1.84	1.46	8.15	23.1	10.3	7.68	4.51	2.85	2.84	2.24	2.14	5.56	1974
1975	1.83	1.27	1.18	2.23	8.14	7.28	3.42	1.35	0.519	0.784	0.615	0.747	2.51	1975
1976	0.687	1.29	1.18	4.04	12.8	5.84	2.87	1.35	0.313	0.320	0.304	0.303	2.59	1976
1977	0.635	1.18	1.22	2.30	2.40	14.3	7.10	3.38	1.94	1.87	1.84	1.48	3.32	1977
1978	1.77	1.48	1.08	1.22	8.08	4.20	2.08	0.742	0.248	0.323	0.338	0.400	1.87	1978
1979	0.478	0.485	0.401	0.740	2.93	1.78	0.920	0.044	0.007	0.878	0.138	0.038	0.880	1979
1980	0.067	0.058	0.048	0.849	0.883	0.120	0.007	0.001	0.004	0.204	0.087	0.018	0.175	1980
1981	0.009	0.007	0.007	0.271	2.75	0.375	0.410	0.527	0.552	0.508	0.588	0.474	0.548	1981
1982	0.287	0.268	0.350	0.588	4.82	3.51	1.48	0.482	0.008	0.135	0.102	0.198	1.02	1982
1983	0.358	0.210	0.067	0.875	8.78	4.78	3.01	2.11	1.18	0.807	0.883	0.647	1.80	1983
1984	0.493	0.524	0.700	2.89	3.97	8.45	7.18	4.87	2.83	4.75	7.19	8.47	4.03	1984
MEAN	0.770	0.785	0.697	1.93	8.88	5.33	3.24	1.83	1.06	1.09	1.35	1.17	2.17	MEAN

LOCATION - LAT 58 52 35 N DRAINAGE AREA, 2 020 km^2
LONG 111 31 15 W NATURAL FLOW

DOG RIVER NEAR FITZGERALD - STATION NO. 07NB006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	---	28.9 B ON MAY 1 *	1.27 B ON APR 10	178 000	1974
1975	---	10.1 ON MAY 13	0.333 ON SEP 22	79 300	1975
1976	---	17.2 E ON MAY 3	0.2838 ON DEC 21	82 100	1976
1977	28.0 AT 18:00 MST ON JUN 20 *	27.8 ON JUN 20	0.8548 ON JAN 1	105 000	1977
1978	8.27 AT 03:00 MST ON MAY 12	8.21 ON MAY 12	0.156 ON SEP 7	52 800	1978
1979	---	3.858 ON MAY 17	0.002 ON SEP 2	21 400	1979
1980	---	1.958 ON APR 21	0.001 ON AUG 7 *	8 530	1980
1981	---	4.202 ON MAY 3	0.003 ON JUN 25	17 200	1981
1982	---	8.51 ON MAY 18	0.001 ON AUG 30	32 100	1982
1983	8.80 AT 08:45 MST ON MAY 13	8.40 ON MAY 13	0.0488 ON APR 3	58 900	1983
1984	8.41 AT 21:40 MST ON JUN 9	8.37 ON JUN 10	0.4788 ON JAN 28	127 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		98 600	MEAN

B - ICE CONDITIONS
E - ESTIMATED

DOVER RIVER NEAR THE MOUTH - STATION NO. 07DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	3.88	7.94	3.62	1.23	0.345	---	1975
1976	0.208	0.215	0.205	9.75	3.19	1.01	0.862	0.992	1.91	---	---	0.153	---	1976
1977	0.073	0.041	0.028	1.34	0.828	0.878	1.12	0.201	0.329	0.886	0.304	0.205	0.521	1977
MEAN	0.141	0.128	0.117	5.55	1.51	0.944	1.04	1.68	3.39	2.25	0.767	0.234	0.521	MEAN

LOCATION - LAT 57 10 12 N
LONG 111 47 38 W
DRAINAGE AREA, 983 km²
NATURAL FLOW

DOVER RIVER NEAR THE MOUTH - STATION NO. 07DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	---	24.9 B ON APR 13 *	0.0858 ON DEC 28	---	1976
1977	---	3.548 ON APR 16	0.0288 ON MAR 3 *	15 400	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 400	MEAN

DRAIN 5-10 NEAR BOW ISLAND - STATION NO. 05AJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.013	0.065	0.255	0.243	0.202	0.078	0.031	---	---	0.145	1973
1974	---	---	---	---	0.013	0.123	0.337	0.271	0.101	0.187	---	---	0.189	1974
1975	---	---	---	---	---	0.088	0.093	0.298	0.302	0.036	0.033	---	---	0.139	1975
1976	---	---	---	---	---	0.070	0.408	0.520	0.178	0.096	0.092	---	---	0.227	1976
1977	---	---	---	---	---	0.187	0.382	0.424	0.241	0.036	0.037	---	---	0.213	1977
1978	---	---	---	---	---	0.015	0.058	0.553	0.175	0.043	0.031	---	---	0.148	1978
1979	---	---	---	---	---	0.020	0.474	0.824	0.238	0.116	0.118	---	---	0.265	1979
1980	---	---	---	---	---	0.161	0.124	0.385	0.253	0.056	0.094	---	---	0.178	1980
1981	---	---	---	---	---	0.070	0.383	0.686	0.313	0.282	0.384	---	---	0.335	1981
1982	---	---	---	---	---	0.047	0.207	0.782	0.512	0.183	0.056	---	---	0.299	1982
1983	---	---	---	---	---	0.040	0.800	1.02	0.553	0.355	0.232	---	---	0.488	1983
1984	---	---	---	---	---	0.089	0.408	0.738	0.325	0.077	0.032	---	---	0.275	1984
MEAN	---	---	---	0.013	0.087	0.293	0.542	0.297	0.121	0.107	---	---	0.238	MEAN

LOCATION - LAT 49 55 40 N
LONG 111 24 50 W
REGULATED

DRAIN 5-10 NEAR BOW ISLAND - STATION NO. 05AJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	---	1.22 ON JUN 15	0.002 ON MAY 10	2 320	1973
1974	---	0.708 ON AUG 13	0.004 ON MAY 10	2 890	1974
1975	---	0.801 ON JUN 20	0.004 ON JUN 8	2 210	1975
1976	---	1.13 ON JUL 12	0.008 ON MAY 3	3 810	1976
1977	---	1.03 E ON JUL 1	0.004 ON JUL 27	3 380	1977
1978	---	1.13 E ON JUL 27	0.003 ON MAY 28	2 330	1978
1979	---	1.23 ON JUL 1	0.007 ON OCT 27	4 210	1979
1980	---	1.37 ON AUG 4	0 ON JUN 6 *	2 600	1980
1981	---	1.11 ON JUL 17	0.002 ON MAY 1	5 320	1981
1982	---	1.23 ON JUL 8	0.004 ON MAY 24	4 750	1982
1983	---	3.28 ON JUL 20 *	0.001 ON MAY 25	7 410	1983
1984	---	1.34 ON JUN 22	0 B ON OCT 25	4 380	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 790	MEAN

DRAIN 5-4 NEAR GRASSY LAKE - STATION NO. 05AJ002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	0	0.135	0.100	0.231	0.184	0.155	0.165	0.255	---	0.188	1972
1973	---	---	---	---	0.174	0.151	0.211	0.221	0.284	0.118	---	---	0.190	1973
1974	---	---	---	---	0.009	0.183	0.223	0.088	0.153	0.174	---	---	0.141	1974
1975	---	---	---	---	0.007	0.140	0.208	0.187	0.078	0.068	---	---	0.115	1975
1976	---	---	---	---	0.142	0.387	0.282	0.189	0.198	0.281	0.319	---	0.248	1976
1977	---	---	---	---	0.309	0.273	0.256	0.220	0.217	0.228	---	---	0.250	1977
1978	---	---	---	---	0.001	0.110	0.184	0.211	0.152	0.138	---	---	0.133	1978
1979	---	---	---	---	0.059	0.315	0.269	0.336	0.202	0.165	---	---	0.224	1979
1980	---	---	---	---	0.175	0.286	0.236	0.271	0.418	0.647	---	---	0.339	1980
1981	---	---	---	---	0.085	0.302	0.337	0.234	0.205	0.470	---	---	0.274	1981
1982	---	---	---	---	0.228	0.284	0.187	0.242	0.294	0.348	---	---	0.260	1982
1983	---	---	---	---	0.030	0.367	0.367	0.289	0.386	0.128	---	---	0.281	1983
1984	---	---	---	---	0.245	0.338	0.387	0.380	0.282	0.098	---	---	0.278	1984
MEAN	---	---	---	0	0.128	0.260	0.264	0.233	0.230	0.233	0.287	---	0.231	MEAN

LOCATION - LAT 49 53 17 N
LONG 111 39 50 W
REGULATED

DRAIN S-4 NEAR GRASSY LAKE - STATION NO. 05AJ002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	0.541 ON SEP 28	0 ON MAY 1 *	2 870	1972
1973	---	0.445 ON MAY 23	0 ON MAY 1	3 010	1973
1974	---	0.419 ON JUL 3	0 A ON MAY 1	2 260	1974
1975	---	0.418 ON OCT 27	0 ON MAY 14	1 820	1975
1976	---	0.620 ON JUN 19	0 ON MAY 1	3 910	1976
1977	---	0.817 ON MAY 15	0.001 ON MAY 1	3 880	1977
1978	---	0.345 ON JUL 3	0 ON MAY 8	2 110	1978
1979	---	0.713 ON JUL 2	0 E ON MAY 1	3 570	1979
1980	---	0.758 ON OCT 25 *	0 ON MAY 1	5 380	1980
1981	---	0.622 ON OCT 24	0 ON MAY 1	4 380	1981
1982	---	0.597 ON JUN 8	0 ON MAY 1	4 130	1982
1983	---	0.657 ON JUL 9	0 ON MAY 1	3 880	1983
1984	---	0.718 ON MAY 23	0 ON MAY 1	4 390	1984
				3 510	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN T-11 NEAR FINCASTLE - STATION NO. 05AG025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	0.008	0.078	0.118	0.221	0.208	0.180	0.070	---	---	0.143	1973
1974	---	---	---	---	0.007	0.143	0.130	0.082	0.178	0.081	---	---	0.107	1974
1975	---	---	---	---	0.088	0.085	0.181	0.220	0.218	0.131	---	---	0.187	1975
1976	---	---	---	---	0.057	0.232	0.203	0.184	0.119	0.054	---	---	0.138	1976
1977	---	---	---	---	0.110	0.178	0.208	0.147	0.130	0.087	---	---	0.145	1977
1978	---	---	---	---	0.088	0.048	0.269	0.273	0.228	0.158	---	---	0.177	1978
1979	---	---	---	---	0.015	0.148	0.158	0.182	0.107	0.136	---	---	0.124	1979
1980	---	---	---	---	0.161	0.108	0.177	0.144	0.151	0.091	---	---	0.135	1980
1981	---	---	---	---	0.074	0.220	0.277	0.219	0.178	0.190	---	---	0.182	1981
1982	---	---	---	---	0.104	0.238	0.348	0.281	0.400	0.169	---	---	0.258	1982
1983	---	---	---	---	0.088	0.285	0.273	0.277	0.284	0.128	---	---	0.218	1983
1984	---	---	---	---	0.130	0.320	0.231	0.239	0.084	0.118	---	---	0.188	1984
MEAN	---	---	---	0.008	0.081	0.178	0.224	0.204	0.188	0.121	---	---	0.185	MEAN

LOCATION - LAT 49 52 50 N
LONG 112 00 49 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1978

DRAIN T-11 NEAR FINCASTLE - STATION NO. 05AG025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.378 ON JUN 15	0.001 ON MAY 10	2 270	1973
1974	---	0.286 ON SEP 11	0.001 ON MAY 9	1 880	1974
1975	---	0.483 ON AUG 17	0.005 ON OCT 31	2 800	1975
1976	---	0.360 ON JUN 5	0 ON MAY 8 *	2 190	1976
1977	---	0.334 ON JUN 30	0 ON MAY 1	2 300	1977
1978	---	0.419 ON AUG 23	0 ON JUN 15	2 810	1978
1979	---	0.363 ON AUG 25	0 ON MAY 27	1 970	1979
1980	---	0.431 ON MAY 24	0.003 ON MAY 1	3 180	1980
1981	---	0.510 ON JUL 26	0 ON MAY 1	3 080	1981
1982	---	0.755 ON JUL 2	0.005 ON MAY 18	4 120	1982
1983	---	0.656 ON JUL 8 *	0.005 ON OCT 27	3 420	1983
1984	---	0.711 ON JUN 22	0 B ON OCT 27	2 880	1984
				2 830	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRAIN T-2 NEAR TABER - STATION NO. 05AG023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	0.073	0.278	0.288	0.338	0.281	0.093	---	---	0.219	1972
1973	---	---	---	---	0.078	0.184	0.211	0.237	0.233	0.088	---	---	0.182	1973
1974	---	---	---	---	0.021	0.231	0.300	0.206	0.383	0.204	---	---	0.232	1974
1975	---	---	---	---	0.128	---	0.088	0.255	0.323	0.203	---	---	---	1975
1976	---	---	---	---	0.148	0.228	0.233	0.233	0.312	0.209	---	---	0.227	1976
1977	---	---	---	---	0.328	0.284	0.221	0.183	0.230	0.182	---	---	0.234	1977
1978	---	---	---	---	0.018	0.087	0.268	0.458	0.228	b.145	---	---	0.211	1978
1979	---	---	---	---	0.048	0.387	0.230	0.388	0.228	0.223	---	---	0.248	1979
1980	---	---	---	---	0.227	0.200	0.317	0.247	0.325	0.238	---	---	0.258	1980
1981	---	---	---	---	0.508	0.408	0.413	0.318	0.248	0.144	---	---	0.338	1981
1982	---	---	---	---	0.088	0.327	0.277	0.434	0.412	0.210	---	---	0.308	1982
1983	---	---	---	---	0.048	0.400	0.338	0.395	0.332	0.097	---	---	0.268	1983
1984	---	---	---	---	0.173	0.347	0.488	0.408	0.387	0.071	---	---	0.308	1984
MEAN	---	---	---	---	0.145	0.277	0.292	0.318	0.301	0.157	---	---	0.250	MEAN

LOCATION - LAT 49 48 30 N
LONG 112 10 45 W REGULATED

DRAIN T-2 NEAR TABER - STATION NO. 05AG033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.08 ON JUN 3	0.0128 ON OCT 31	3 480	1972
1973	---	0.580 ON JUN 15	0.004 ON MAY 2	2 590	1973
1974	---	0.674 ON SEP 3	0.003 ON MAY 12	3 520	1974
1975	---	---	0.008 ON MAY 18	---	1975
1976	---	1.22 ON AUG 10	0.0098E ON OCT 31	3 810	1976
1977	---	0.549 ON MAY 23	0.002 ON MAY 1	3 730	1977
1978	---	1.63 ON AUG 23	0.005 ON MAY 21	3 380	1978
1979	---	1.45 ON AUG 24	0.004 ON MAY 24	3 910	1979
1980	---	0.810 ON MAY 24	0.006 ON MAY 6	4 110	1980
1981	---	5.19 ON MAY 24 *	0.004 ON MAY 21	5 280	1981
1982	---	0.830E ON SEP 27	0.008 ON MAY 2	4 690	1982
1983	---	0.881 ON JUL 7	0.001 ON MAY 8 *	4 260	1983
1984	---	0.743 ON JUL 30	0.001 ON MAY 1	4 870	1984
				3 980	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	0.084	0.038	0.039	0.031	0.038	---	---	---	1975
1976	---	---	0.117	0.712	---	---	---	---	---	---	---	---	---	1976
1977	---	---	0.036	0.073	0.081	0.034	0.013	0.024	0.028	0.037	---	---	0.040	1977
1978	---	---	0.086	0.355	0.055	0.043	0.018	0.033	0.338	0.224	---	---	0.144	1978
1979	---	---	0.942R	2.35 R	0.884R	0.038R	0.082R	0.009R	0.013R	0.087R	---	---	0.513R	1979
1980	---	---	0.019	1.28	0.088	0.127	0.136	0.052	0.044	0.040	---	---	0.220	1980
1981	---	---	0.531	0.824	0.088	0.032	0.081	0.003	0.003	0.006	---	---	0.185	1981
1982	---	---	0	1.74	0.841	0.081	4.50	0.737	0.121	0.097	---	---	0.883	1982
1983	---	---	0.276	3.04	0.292	0.485	4.42	0.131	0.048	0.053	---	---	1.09	1983
1984	---	---	0.148	0.095	0.037	0.087	0.029	0.008	0.024	0.033	---	---	0.055	1984
MEAN	---	---	0.241R	1.15 R	0.241R	0.105R	1.03 R	0.115R	0.072R	0.085R	---	---	0.403	MEAN

LOCATION - LAT 52 52 53 N
LONG 112 36 20 W
DRAINAGE AREA, 1 150 km^2
NATURAL FLOW
R - REVISED SINCE JAN 1980

DRIEDMEAT CREEK NEAR THE MOUTH - STATION NO. 05FA018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	1.96 B ON APR 3	0 B ON MAR 1 *	---	1976
1977	---	0.181 ON MAY 15	0 ON AUG 7	855	1977
1978	---	0.880 ON SEP 26	0.007 ON JUL 28	3 050	1978
1979	---	5.17 RA ON APR 19	0 R ON AUG 22	10 900R	1979
1980	3.74 AT 18:50 MST ON APR 18	3.39 ON APR 17	0.0018 ON MAR 1	4 650	1980
1981	---	1.50 ON APR 5	0.001 ON JUL 29	3 600	1981
1982	7.72 AT 18:55 MST ON JUL 8	7.59 ON JUL 9	0 B ON MAR 1	21 000	1982
1983	18.2 AT 15:28 MST ON JUL 1 *	14.3 ON JUL 1 *	0.005 ON JUN 14	33 100	1983
1984	---	0.805 ON JUN 9	0.001 ON AUG 15	1 180	1984
				8 530R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07BH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	0.228	8.75	28.8	22.8	5.33	3.02	3.38	3.05	---	---	9.89	1973
1974	---	---	0.295	25.5	29.8	3.88	15.8	2.35	2.57	2.40	---	---	10.3	1974
1975	---	---	0.247	3.77	9.88	22.0	14.8	8.44	7.22	1.75	---	---	8.80	1975
1976	---	---	0.313	14.8	10.2	19.1	12.4	27.8	8.18	2.11	---	---	11.8	1976
1977	---	---	0.488	15.1	23.1	12.5	25.3	2.74	3.90	2.08	---	---	10.7	1977
1978	---	---	0.255	9.08	13.6	13.0	2.78	1.69	14.4	2.23	---	---	7.08	1978
1979	---	---	0.388	4.73	30.3	28.1	28.7	1.10	0.872	0.859	---	---	11.8	1979
1980	---	---	0.039	5.35	5.58	8.18	2.85	4.81	8.58	1.82	---	---	4.25	1980
1981	---	---	0.388	9.44	8.37	10.8	4.28	0.589	0.442	0.817	---	---	4.63	1981
1982	---	---	0.125	1.17	19.1	1.58	8.88	13.9	1.05	0.889	---	---	5.85	1982
1983	---	---	0.045	1.31	2.12	27.3	35.6	4.45	2.78	1.83	---	---	8.51	1983
1984	---	---	0.384	3.35	13.5	15.3	6.21	2.04	4.78	1.77	---	---	5.89	1984
MEAN	---	---	0.264	8.38	16.1	15.1	13.7	5.63	4.84	1.73	---	---	8.34	MEAN

LOCATION - LAT 55 20 48 N
LONG 115 47 39 W
DRAINAGE AREA, 837 km^2
NATURAL FLOW

DRIFTPILE RIVER NEAR DRIFTPILE - STATION NO. 07EH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	129 AT 09:30 MST ON MAY 21	111 ON JUN 17	0.1938 ON MAR 11	203 000	1973
1974	180 AT 15:00 MST ON JUL 13	138 ON JUL 13	0.2559 ON MAR 15	216 000	1974
1975	210 AT 18:00 MST ON JUN 28	193 ON JUN 28	0.2279 ON APR 9	182 000	1975
1976	188 AT 12:00 MST ON AUG 16	184 ON AUG 16	0.2188 ON MAR 3	250 000	1976
1977	109 AT 23:00 MST ON MAY 29	86.9 ON JUL 12	0.3548 ON MAR 21	228 000	1977
1978	104 AT 05:00 MST ON SEP 18	88.3 ON SEP 18	0.1538 ON MAR 9	149 000	1978
1979	220 AT 18:00 MST ON JUN 14	195 ON JUN 14	0.173 ON AUG 16	251 000	1979
1980	36.6 AT 18:00 MST ON MAY 28	31.4 ON MAY 28	0.0208 ON MAR 3 *	89 800	1980
1981	47.6 AT 08:30 MST ON APR 25	40.0 ON APR 25	0.2008 ON MAR 10	93 800	1981
1982	125 AT 13:40 MST ON AUG 3	111 ON AUG 4	0.0838 ON MAR 1	127 000	1982
1983	312 AT 13:00 MST ON JUN 28 *	262 ON JUN 28 *	0.0288 ON MAR 8	201 000	1983
1984	99.6 AT 22:30 MST ON JUN 7	87.6 ON JUN 8	0.1418 ON MAR 15	125 000	1984
				178 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.053	0.469	5.31	17.0	9.42	4.60	3.18	1.88	---	---	---	1968
1969	---	---	0.552	12.2	13.1	5.18	1.94	1.07	7.23	10.7	---	---	---	1969
1970	---	---	0.478	4.25	16.5	28.5	76.2	10.9	4.38	1.48	0.745	0.651	---	1970
1971	0.812	0.818	0.818	7.76	11.6	28.8	83.4	9.80	3.18	1.30	0.765	0.651	10.7	1971
1972	0.588	0.280	0.288	3.63	26.9	24.9	16.5	6.75	2.62	3.25	2.36	1.10	7.48	1972
1973	0.787	0.670	0.684	5.11	23.6	43.2	14.6	8.23	4.84	5.65	4.32	2.45	9.63	1973
1974	1.88	1.82	1.08	30.3	67.2	9.83	27.2	8.22	9.08	8.59	3.08	1.82	13.3	1974
1975	1.12	0.378	0.380	3.68	21.6	32.2	42.1	16.1	18.0	8.69	3.28	1.02	12.2	1975
1976	0.807	0.884	0.458	5.86	4.38	8.65	18.8	23.6	16.8	7.56	3.17	0.108	7.82	1976
1977	0.148	0.241	0.735	9.05	29.1	32.4	22.8	11.1	8.47	7.00	2.67	1.35	10.8	1977
1978	0.838	0.678	0.838	11.6	30.3	21.6	7.46	2.09	22.2	10.3	3.07	1.48	9.38	1978
1979	0.848	0.826	0.767	2.01	29.5	28.1	35.7	7.30	1.17	0.511	0.372	0.384	8.89	1979
1980	0.281	0.270	0.288	3.84	2.78	4.08	4.44	13.4	13.1	8.03	4.21	1.21	4.74	1980
1981	0.485	0.388	0.520	7.19	12.1	7.61	8.22	2.28	0.185	0.197	0.338	0.087	3.30	1981
1982	0.001	0	0.067	3.45	20.3	4.83	19.3	17.7	3.73	1.18	0.858	0.417	6.04	1982
1983	0.287	0.311	0.307	4.11	7.47	12.5	56.4	30.8	8.19	4.28	2.84	1.80	10.7	1983
1984	0.410	0.350	0.278	3.83	10.8	28.1	19.9	4.79	10.8	6.85	3.48	2.34	7.48	1984
MEAN	0.658	0.483	0.484	6.85	19.0	19.8	26.2	10.5	7.84	4.88	2.34	1.08	8.71	MEAN

LOCATION - LAT 55 15 19 N DRAINAGE AREA, 2 100 km^2
LONG 114 13 54 W NATURAL FLOW

DRIFTWOOD RIVER NEAR THE MOUTH - STATION NO. 07BK007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	92.6 AT 01:30 MST ON JUN 14	85.1 ON JUN 14	---	---	1968
1969	30.3 AT 10:00 MST ON APR 30	28.7 ON APR 30	---	---	1969
1970	300 AT 10:30 MST ON JUN 30 *	280 ON JUN 30 *	---	---	1970
1971	246 AT 18:30 MST ON JUL 4	202 ON JUL 4	0.0028 ON JAN 24	338 000	1971
1972	92.3 AT 23:30 MST ON JUN 18	72.6 ON JUN 18	0.0858 ON MAR 28	238 000	1972
1973	156 AT 17:30 MST ON JUN 17	137 ON JUN 17	0.2048 ON JAN 3	301 000	1973
1974	130 AT 22:00 MST ON JUL 13	108 ON APR 28	0.8508 ON MAR 23	418 000	1974
1975	172 AT 14:00 MST ON JUN 28	150 ON JUN 28	0.1788 ON MAR 8	385 000	1975
1976	90.0 AT 13:30 MST ON AUG 27	77.3 ON AUG 27	0.0858 ON DEC 19	241 000	1976
1977	105 AT 03:30 MST ON JUN 3	85.1 ON JUN 3	0.0868 ON JAN 1	330 000	1977
1978	84.6 AT 14:00 MST ON APR 30	81.4 ON APR 30	0.4878 ON JAN 25	295 000	1978
1979	135 AT 15:00 MST ON JUL 14	122 ON JUL 14	0.1958 ON NOV 29	284 000	1979
1980	27.6 AT 07:00 MST ON AUG 8	25.8 ON AUG 8	0.1578 ON JAN 31	180 000	1980
1981	24.7 AT 18:30 MST ON JUL 23	21.4 ON APR 26	0.0028 ON DEC 28	104 000	1981
1982	89.2 AT 11:21 MST ON JUL 16	58.4 ON JUL 21	0 8 ON JAN 25 *	190 000	1982
1983	128 AT 18:30 MST ON JUL 22	117 ON JUL 22	0.2878 ON JAN 28	337 000	1983
1984	82.5 AT 05:30 MST ON JUN 2	72.7 ON JUN 2	0.1648 ON MAR 14	238 000	1984
				275 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	0.308	0.143	0.140	---	---	---	1980
1981	---	---	---	---	0.284	0.400	0.427	0.133	0.218	0.233	---	---	0.284	1981
1982	---	---	---	---	0.028	0.388	0.381	0.342	0.188	0.082	---	---	0.237	1982
1983	---	---	---	---	0.048	0.358	0.508	0.337	0.181	0.088	---	---	0.260	1983
1984	---	---	---	---	0.103	0.428	0.383	0.434	0.401	0.102	---	---	0.308	1984
MEAN	---	---	---	---	0.117	0.383	0.428	0.310	0.236	0.128	---	---	0.270	MEAN

LOCATION - LAT 49 29 38 N DRAINAGE AREA, 84.8 km^2
LONG 112 55 48 W REGULATED

DRY COULEE NEAR MAGRATH - STATION NO. 05AE041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	5.72 ON JUN 14 *	0.004 ON MAY 2	4 510	1981
1982	---	3.08 ON JUL 2	0.002 ON OCT 17	3 780	1982
1983	---	1.63 ON JUL 5	0.007E ON OCT 15	3 970	1983
1984	---	1.30 ON JUL 31	0 ON MAY 12 *	4 910	1984
				4 290	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DRYWOOD CREEK BELOW SOUTH DRYWOOD CREEK - STATION NO. 05AD035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.830	1.48	5.95	5.74	3.55	1.27	0.678	0.838	0.477	---	2.60	1972
1973	---	---	0.277	0.569	3.04	2.67	0.675	0.328	0.244	0.229	---	---	0.889	1973
MEAN	---	---	0.604	1.02	5.00	4.68	2.11	0.799	0.480	0.533	0.477	---	1.89	MEAN

LOCATION - LAT 49 17 43 N DRAINAGE AREA, 79.8 km^2
LONG 113 58 20 W NATURAL FLOW

DRYWOOD CREEK BELOW SOUTH DRYWOOD CREEK - STATION NO. 05AD036

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	20.9 ON MAY 31 *	0.119B ON MAR 2 *	59 300	1972
1973	---	7.28 ON MAY 18	0.210E ON OCT 28	21 000	1973
				40 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 05AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	2.28	7.50	5.48	5.19	1.92	0.995	0.950	---	---	---	1920
1921	---	---	1.20	3.55	12.0	9.91	3.37	1.17	1.12	1.50	---	---	---	1921
1922	---	---	---	3.17	17.3	17.5	5.09	1.23	0.789	0.745	---	---	---	1922
1923	---	---	0.386	1.86	9.38	35.8	4.88	4.91	1.76	1.27	---	---	---	1923
1924	---	---	0.383	1.38	7.23	17.4	4.48	4.31	1.48	1.24	---	---	---	1924
1925	---	---	---	3.84	9.98	8.26	1.88	1.38	2.03	3.22	---	---	---	1925
1926	---	---	0.603	2.83	2.83	4.82	2.44	0.990	8.21	3.89	---	---	---	1926
1927	---	---	1.80	4.82	16.1	28.6	11.9	4.41	8.05	5.17	---	---	---	1927
1928	---	---	4.84	5.96	13.8	15.8	10.8	3.42	2.78	3.07	---	---	---	1928
1929	---	---	0.892	2.12	12.8	13.2	4.09	0.996	0.829	1.82	---	---	---	1929
1930	---	---	0.889	2.78	9.66	10.6	3.01	1.35	1.32	1.81	---	---	---	1930
1931	---	---	0.388	---	---	---	---	---	---	---	---	---	---	1931
1966	---	---	---	---	---	---	---	---	---	1.18	---	---	---	1966
1967	---	---	0.646	1.70	19.7	24.0	5.48	1.14	0.819	0.533	---	---	---	1967
1968	---	---	0.809	0.934	---	---	4.10	2.28	4.88	3.42	---	---	---	1968
1969	---	---	0.802	4.46	7.28	16.8	4.87	0.970	0.524	0.588	---	---	---	1969
1970	---	---	0.324	0.880	11.9	16.2	2.47	0.770	0.788	1.11	0.818	0.442	---	1970
1971	0.352	0.618	0.620	1.86	12.0	10.8	3.37	1.17	0.832	1.36	0.980	0.533	2.87	1971
1972	0.360	0.388	2.56	4.36	14.8	14.1	7.82	3.11	1.92	1.87	1.03	0.711	4.43	1972
1973	0.859	0.886	0.722	1.93	7.56	5.80	1.58	0.708	0.821	0.585	0.798	0.585	1.85	1973
1974	0.772	0.830	0.768	2.81	9.70	16.8	4.28	2.15	1.10	0.835	0.803	0.404	3.37	1974
1975	0.280	0.278	0.288	1.15	13.8	30.7	7.83	2.74	1.70	1.78	1.78	2.20	5.38	1975
1976	1.13	0.708	1.00	3.08	8.78	8.28	4.20	4.88	1.27	0.810	0.584	0.408	2.85	1976
1977	0.348	0.383	0.281	0.881	2.88	3.28	0.784	1.85	2.14	1.18	0.834	0.431	1.16	1977
1978	0.382	0.288	0.801	1.87	8.89	10.0	5.88	1.87	2.20	1.37	0.788	0.548	2.81	1978
1979	0.383	0.378	1.09	2.22	10.5	8.36	2.22	1.82	0.887	0.585	0.335	0.304	2.42	1979
1980	0.288	0.466	0.885	3.27	10.8	8.08	1.87	1.62	2.88	1.80	1.40	1.88	2.84	1980
1981	1.84	1.88	1.32	2.48	17.0	8.43	4.80	1.78	0.728	0.838	0.638	0.490	3.58	1981
1982	0.397	0.372	0.417	1.18	4.80	10.8	3.81	1.05	0.884	1.01	0.870	0.481	2.15	1982
1983	0.432	0.420	0.628	1.40	8.70	8.41	2.81	0.948	0.808	0.432	0.458	0.408	1.89	1983
1984	0.808	0.341	0.378	1.08	4.24	8.18	1.88	1.15	0.725	2.00	0.898	0.834	1.87	1984
MEAN	0.588	0.822	0.932	2.47	10.4	13.2	4.38	1.98	1.72	1.87	0.809	0.700	2.80	MEAN

LOCATION - LAT 49 17 38 N DRAINAGE AREA, 238 km^2
LONG 113 47 38 W NATURAL FLOW

DRYWOOD CREEK NEAR THE MOUTH - STATION NO. 06AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	11.8 ON MAY 18	---	---	1920
1921	---	26.5 E ON MAY 23	---	---	1921
1922	---	31.7 ON JUN 6	---	---	1922
1923	---	84.3 ON JUN 1	---	---	1923
1924	---	39.9 ON JUN 7	---	---	1924
1925	---	17.2 ON JUN 14	---	---	1925
1926	---	14.3 ON SEP 9	---	---	1926
1927	---	47.3 ON JUN 11	---	---	1927
1928	---	20.6 ON JUL 1	---	---	1928
1929	---	21.6 ON MAY 28	---	---	1929
1930	---	17.0 ON MAY 4	---	---	1930
1931	---	---	---	---	1931
1986	---	---	---	---	1986
1987	84.8 AT 21:30 MST ON MAY 17	48.7 ON MAY 22	---	---	1987
1988	---	---	---	---	1988
1989	70.8 AT 15:11 MST ON JUN 26	61.4 ON JUN 26	---	---	1989
1970	---	41.8 ON JUN 14	---	---	1970
1971	26.2 AT 05:30 MST ON MAY 26	24.7 ON MAY 31	0.2838 ON JAN 1	80 500	1971
1972	34.6 AT 03:40 MST ON JUN 1	32.8 ON JUN 1	0.1588 ON MAR 4 *	140 000	1972
1973	17.4 AT 08:00 MST ON MAY 19	16.4 ON MAY 19	0.3048 ON DEC 19	58 400	1973
1974	26.3 AT 05:50 MST ON JUN 13	25.1 ON JUN 13	0.2978 ON DEC 27	108 000	1974
1975	288 AT 03:30 MST ON JUN 20 *	181 ON JUN 20 *	0.2368 ON JAN 14	170 000	1975
1976	19.1 AT 18:15 MST ON MAY 11	18.0 ON MAY 11	0.3318 ON DEC 28	80 200	1976
1977	4.78 AT 00:00 MST ON MAY 12	4.38 ON MAY 12	0.2328 ON MAR 18	38 100	1977
1978	22.8 AT 09:10 MST ON JUN 6	21.8 ON JUN 6	0.1618 ON FEB 8	91 800	1978
1979	22.6 AT 06:45 MST ON MAY 27	21.1 ON MAY 27	0.1628 ON NOV 28	78 300	1979
1980	61.7 AT 11:50 MST ON MAY 28	49.6 ON MAY 26	0.2848 ON JAN 8	92 800	1980
1981	52.3 AT 09:10 MST ON MAY 22	48.7 ON MAY 22	0.2308 ON DEC 31	112 000	1981
1982	18.8 AT 15:15 MST ON JUN 5	15.3 ON JUN 5	0.1858 ON JAN 4	67 800	1982
1983	16.3 AT 12:10 MST ON MAY 26	15.6 ON MAY 26	0.284 ON OCT 27	53 200	1983
1984	13.8 AT 04:50 MST ON MAY 31	12.4 ON MAY 31	0.2898 ON FEB 23	52 900	1984
				88 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 06AD018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0.234	1.35	1.70	0.645	0.178	0.121	0.125	---	---	0.605	1935
1936	---	---	---	0.227	1.88	1.88	0.389	0.186	0.188	0.183	---	---	0.682	1936
1937	---	---	---	0.134	1.42	2.77	0.577	0.198	0.113	0.182	---	---	0.783	1937
1938	---	---	---	0.278	2.41	2.84	0.994	0.273	0.178	0.158	---	---	0.988	1938
1939	---	---	0.057	0.372	1.28	1.48	0.388	0.181	0.188	0.281	---	---	0.578	1939
1940	---	---	---	0.180	1.82	1.10	0.827	0.328	0.435	0.478	---	---	0.885	1940
1941	---	---	0.171	0.384	0.878	0.880	0.801	0.387	0.488	0.821	0.407	---	0.587	1941
1942	---	---	---	0.488	2.27	3.17	1.08	0.688	0.825	0.517	---	---	1.30	1942
1943	---	---	---	---	1.78	2.80	1.48	0.338	0.178	0.180	---	---	---	1943
1944	---	---	---	0.182	0.588	1.81	0.826	0.384	0.258	0.184	---	---	0.810	1944
1945	---	---	---	---	1.48	3.81	0.738	0.245	0.218	---	---	---	---	1945
1946	---	---	---	0.318	1.94	2.18	0.626	0.240	0.472	0.582	---	---	0.889	1946
1947	---	---	---	0.637	2.32	1.82	0.808	0.298	0.732	1.02	---	---	1.08	1947
1948	---	---	---	---	1.78	3.54	0.734	0.801	0.230	0.184	---	---	---	1948
1949	---	---	---	---	1.85	1.78	0.889	0.218	0.238	0.223	---	---	---	1949
1950	---	---	---	0.171	1.82	3.26	1.28	0.274	0.180	0.205	---	---	1.04	1950
1951	---	---	---	0.858	3.48	3.78	2.80	0.818	1.70	0.995	---	---	1.98	1951
1952	---	---	---	0.771	1.87	1.20	0.753	1.02	0.318	0.208	---	---	0.838	1952
1953	---	---	0.111	0.488	2.38	5.14	1.81	0.301	0.182	0.187	---	---	1.44	1953
1954	---	---	0.071	0.125	2.48	3.08	1.78	0.488	0.880	0.828	---	---	1.38	1954
1955	---	---	---	0.248	1.42	3.38	1.38	0.305	0.188	0.240	---	---	1.02	1955
1956	---	---	---	0.344	2.80	2.18	1.23	0.298	0.188	0.148	---	---	0.888	1956
1957	---	---	---	0.180	3.38	2.12	0.442	0.183	0.273	0.801	---	---	1.01	1957
1958	---	---	0.131	0.218	2.88	2.82	0.858	0.312	0.181	0.176	---	---	1.04	1958
1959	---	---	0.110	0.415	1.82	3.15	1.10	0.283	0.384	0.571	---	---	1.11	1959
1960	---	---	---	0.540	1.84	2.26	0.702	0.275	0.121	0.107	---	---	0.803	1960
1961	---	---	---	0.188	2.31	2.25	0.384	0.204	0.300	0.538	---	---	0.878	1961
1962	---	---	---	0.682	1.28	2.04	0.625	0.224	0.224	0.173	---	---	0.748	1962
1963	---	---	0.134	0.182	1.48	2.77	1.27	0.300	0.208	0.188	---	---	0.814	1963
1964	---	---	---	0.207	2.17	4.81	0.804	0.241	0.180	0.310	---	---	1.28	1964
1965	---	---	---	0.412	1.80	3.88	1.20	0.428	0.480	0.484	---	---	1.18	1965
1966	---	---	---	0.318	2.00	2.40	0.801	0.350	0.275	0.270	---	---	0.814	1966
1967	---	---	---	0.413	3.08	4.34	1.33	0.245	0.144	0.127	---	---	1.37	1967
1968	---	---	0.203	0.208	1.71	2.44	0.820	0.508	1.08	0.848	---	---	1.10	1968
1969	---	---	0.118	0.574	1.80	3.17	1.00	0.238	0.138	0.120	---	---	0.872	1969
1970	---	---	---	---	---	3.12	---	---	0.182	0.188	---	---	---	1970
1971	---	---	0.080	0.228	2.35	2.50	0.741	0.185	0.184	0.248	---	---	0.815	1971
1972	---	---	0.188	0.430	2.70	3.72	1.74	0.834	0.277	0.357	---	---	1.42	1972
1973	---	---	0.108	0.183	1.38	1.30	0.378	0.188	0.151	0.158	---	---	0.527	1973
1974	---	---	0.128	0.412	1.72	3.37	0.832	0.488	0.213	0.188	---	---	1.03	1974
1975	---	---	0.083	0.081	1.88	5.02	1.81	0.540	0.388	0.381	---	---	1.88	1975
1976	---	---	0.131	0.438	2.17	1.87	0.894	1.18	0.298	0.181	---	---	0.888	1976
1977	---	---	---	0.138	0.838	0.828	0.218	0.237	0.343	0.221	---	---	0.332	1977
1978	---	---	---	0.237	1.78	2.18	1.26	0.381	0.437	0.286	---	---	0.822	1978
1979	---	---	---	0.183	1.87	1.77	0.828	0.478	0.228	0.134	---	---	0.713	1979
1980	---	---	---	0.881	2.20	1.84	0.440	0.318	0.458	0.320	---	---	0.878	1980
1981	---	---	---	0.408	2.84	1.87	0.880	0.378	0.188	0.128	---	---	0.884	1981
1982	---	---	---	0.178	0.858	2.36	0.784	0.281	0.188	0.188	---	---	0.882	1982
1983	---	---	---	0.212	1.84	1.18	0.821	0.238	0.142	0.118	---	---	0.880	1983
1984	---	---	---	0.144	0.888	1.44	0.487	0.228	0.188	0.388	---	---	0.525	1984
MEAN	---	---	0.121	0.323	1.88	2.88	0.901	0.388	0.322	0.313	0.407	---	0.848	MEAN

LOCATION - LAT 49 18 00 N
LONG 114 00 20 W
DRAINAGE AREA, 26.3 km^2
NATURAL FLOW

DRYWOOD CREEK NEAR TWIN BUTTE - STATION NO. 05AD010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	3.08 AT 07:00 MST ON MAY 23	3.03 ON MAY 23	0.088 ON SEP 11	11 200	1935
1936	4.42 AT 08:00 MST ON JUN 1	4.22 ON JUN 1	0.0578 ON APR 1	12 200	1936
1937	12.8 ON JUN 13	11.4 ON JUN 13	0.074 ON APR 6	14 100	1937
1938	5.23 AT 17:00 MST ON MAY 25	5.06 ON MAY 25	0.057 ON APR 1	18 200	1938
1939	3.17 ON JUN 18	3.11 ON JUN 18	0.105 ON APR 3	10 700	1939
1940	4.87 ON JUL 27	3.87 ON JUL 27	0.113E ON APR 1	12 700	1940
1941	---	1.87 ON JUN 2	0.238 ON APR 2	10 900	1941
1942	14.8 ON JUN 5	11.8 ON JUN 5	0.0578 ON APR 1	24 000	1942
1943	---	4.62 ON JUN 18	---	---	1943
1944	---	5.35 ON JUN 17	0.091 ON APR 18	9 430	1944
1945	---	5.81 ON JUN 10	---	---	1945
1946	---	5.36 ON MAY 26	0.105 ON APR 4	18 800	1946
1947	4.19 ON MAY 3	3.88 ON MAY 3	0.204 ON APR 8	19 800	1947
1948	---	11.7 ON JUN 17	---	---	1948
1949	---	4.81 ON JUN 1	---	---	1949
1950	6.48 AT 21:00 MST ON JUN 15	5.32 ON JUN 16	0.1138 ON APR 1	19 200	1950
1951	6.88 AT 02:00 MST ON JUN 15	6.40 ON JUN 15	0.1708 ON APR 1	38 400	1951
1952	5.30 AT 23:50 MST ON AUG 8	3.78 ON AUG 8	0.147 ON APR 11	15 400	1952
1953	15.4 AT 04:00 MST ON JUN 4	12.9 ON JUN 4	0.1138 ON APR 1	26 700	1953
1954	6.54 AT 20:00 MST ON MAY 19	6.12 ON MAY 19	0.0858 ON APR 1	24 900	1954
1955	6.12 AT 07:00 MST ON MAY 20	5.32 ON MAY 20	0.1138 ON APR 1	18 800	1955
1956	6.43 AT 23:00 MST ON MAY 20	5.88 ON MAY 21	0.113E ON APR 1	18 400	1956
1957	5.24 AT 03:00 MST ON MAY 15	4.83 ON MAY 15	0.0858 ON APR 1	18 700	1957
1958	4.53 AT 14:00 MST ON MAY 12	4.22 ON MAY 12	0.086 ON APR 8	19 100	1958
1959	5.82 AT 21:00 MST ON JUN 5	5.30 ON JUN 5	0.133 ON APR 1	20 600	1959
1960	5.68 AT 01:00 MST ON MAY 13	4.88 ON MAY 12	0.102 ON OCT 4	14 900	1960
1961	6.31 AT 03:00 MST ON MAY 27	6.08 ON MAY 27	0.091 ON APR 1	18 200	1961
1962	6.83 AT 15:00 MST ON JUN 14	6.08 ON JUN 14	0.142E ON APR 1	13 800	1962
1963	6.80 AT 10:00 MST ON JUN 10	5.41 ON JUN 10	0.093 ON APR 1	18 900	1963
1964	33.4 AT 11:30 MST ON JUN 8	25.3 ON JUN 8	0.0748 ON APR 1	23 200	1964
1965	17.6 AT 15:00 MST ON JUN 17	12.8 ON JUN 17	0.0748 ON APR 3	21 900	1965
1966	4.98 AT 23:00 MST ON JUN 4	4.58 ON JUN 5	0.170E ON APR 1	18 900	1966
1967	8.10 AT 22:00 MST ON MAY 21	7.53 ON MAY 22	0.113E ON APR 1	25 200	1967
1968	8.03 AT 23:00 MST ON JUN 7	5.10 ON JUN 8	0.142 ON APR 18	20 300	1968
1969	13.5 AT 18:00 MST ON JUN 28	11.0 ON JUN 28	0.110 ON OCT 21	18 000	1969
1970	11.0 AT 18:00 MST ON JUN 13	8.18 ON JUN 14	---	---	1970
1971	6.30 AT 00:30 MST ON MAY 28	4.83 ON MAY 31	0.074 ON AUG 26	18 900	1971
1972	8.78 AT 23:30 MST ON MAY 31	7.96 ON JUN 1	0.292 ON OCT 28	28 300	1972
1973	4.08 AT 01:40 MST ON MAY 18	3.85 ON MAY 18	0.091 ON APR 2	8 750	1973
1974	8.83 AT 08:30 MST ON MAY 28	5.80 ON JUN 18	0.1338 ON APR 3	19 100	1974
1975	39.8 ON JUN 20 *	27.9 ON JUN 19 *	0.0488 ON APR 4 *	28 700	1975
1976	4.45 AT 03:50 MST ON MAY 11	4.08 ON MAY 11	0.153 ON OCT 31	18 300	1976
1977	0.871 AT 08:00 MST ON MAY 11	0.826 ON MAY 11	0.082 ON APR 13	6 140	1977
1978	4.81 AT 05:00 MST ON JUN 8	4.38 ON JUN 8	0.108 ON APR 3	17 000	1978
1979	5.68 AT 21:20 MST ON AUG 21	4.08 ON MAY 27	0.0848 ON APR 4	13 200	1979
1980	7.32 AT 13:35 MST ON MAY 28	6.44 ON MAY 28	0.0888 ON APR 10	15 200	1980
1981	10.8 AT 10:10 MST ON MAY 22	10.2 ON MAY 22	0.105 ON OCT 9	18 400	1981
1982	3.28 AT 03:45 MST ON JUN 14	3.10 ON JUN 13	0.0848 ON APR 7	12 800	1982
1983	3.75 AT 01:55 MST ON MAY 26	3.68 ON MAY 26	0.0848 ON APR 5	10 700	1983
1984	2.88 AT 23:40 MST ON MAY 30	2.48 ON MAY 31	0.0808 ON APR 3	9 710	1984
				17 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	14.1	7.38	2.50	0.972	---	1975
1976	0.030	0.110	0.217	16.1	7.26	4.36	3.60	2.48	2.21	1.88	0.743	0.263	3.26	1976
1977	0.180	0.131	0.188	3.14	4.70	5.02	7.77	2.26	0.953	1.90	0.410	0.187	2.25	1977
1978	0.090	0.082	0.048	2.28	15.6	7.23	1.87	1.48	23.1	14.8	1.88	0.817	5.78	1978
1979	0.267	0.198	0.230	---	---	---	---	---	---	---	---	---	---	1979
MEAN	0.142	0.128	0.183	7.17	9.15	5.53	4.45	2.05	10.1	6.52	1.40	0.282	3.78	MEAN

LOCATION - LAT 58 51 20 N
LONG 112 42 40 W
DRAINAGE AREA, 1 570 km^2
NATURAL FLOW

DUNKIRK RIVER NEAR FORT MACKAY - STATION NO. 07DB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	31.1 AT 18:00 MST ON APR 20	30.8 ON APR 21	0.0288 ON JAN 1	103 000	1976
1977	11.8 AT 20:25 MST ON JUL 10	11.6 ON JUL 10	0.1058 ON MAR 17	70 900	1977
1978	36.0 AT 15:00 MST ON SEP 18 *	33.7 ON SEP 18 *	0.0248 ON FEB 26 *	182 000	1978
1979	---	0.3628 ON JAN 1	0.1908 ON FEB 11	---	1979
				119 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	5.41	2.73	0.978	0.592	0.484	---	---	---	1966
1967	---	---	---	---	6.87	13.3	3.44	0.953	0.487	0.388	---	---	4.23	1967
1968	---	---	0.398	0.882	4.62	7.31	2.61	1.13	1.14	1.61	---	---	3.04	1968
1969	---	---	0.195	1.99	5.55	7.09	3.35	0.838	0.493	0.525	---	---	2.98	1969
1970	---	---	0.128	0.172	3.31	5.30	1.31	0.583	0.548	0.443	---	---	1.90	1970
1971	---	---	0.148	0.822	7.21	7.43	2.24	0.944	0.585	0.799	---	---	3.19	1971
1972	---	---	0.553	1.17	9.89	11.7	3.42	1.74	1.32	1.18	---	---	4.88	1972
1973	---	---	0.228	0.502	3.89	4.88	1.58	0.885	0.437	0.389	---	---	1.93	1973
1974	---	---	0.114	1.26	6.92	12.2	3.21	1.30	0.837	0.603	---	---	4.10	1974
1975	---	---	---	---	4.76	9.85	3.63	1.43	0.783	0.708	---	---	3.51	1975
1976	---	---	---	---	7.17	3.37	1.84	4.33	1.25	0.895	---	---	3.12	1976
1977	---	---	---	---	2.23	1.82	0.709	0.923	0.983	0.802	---	---	1.21	1977
1978	---	---	---	---	6.04	7.54	3.76	1.41	0.945	0.737	---	---	3.41	1978
1979	---	---	---	---	5.31	4.50	1.33	0.753	0.522	0.330	---	---	2.12	1979
1980	---	---	---	---	5.39	3.81	1.21	0.826	0.822	0.677	---	---	2.12	1980
1981	---	---	---	---	8.33	5.80	3.20	1.17	0.815	0.521	---	---	3.44	1981
1982	---	---	---	---	4.23	6.89	2.00	0.735	0.618	0.614	---	---	2.80	1982
1983	---	---	---	---	3.16	3.14	1.48	0.707	0.479	0.380	---	---	1.58	1983
1984	---	---	---	---	1.83	4.09	1.74	0.748	0.502	0.457	---	---	1.55	1984
MEAN	---	---	0.253	0.921	5.38	6.70	2.36	1.17	0.724	0.633	---	---	2.82	MEAN

LOCATION - LAT 49 54 08 N, LONG 114 26 49 W DRAINAGE AREA, 143 km² NATURAL FLOW

DUTCH CREEK NEAR THE MOUTH - STATION NO. 05AA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	13.0 ON JUN 1	---	---	1966
1967	37.8 AT 17:00 MST ON MAY 30 *	32.3 ON MAY 30 *	0.340B ON OCT 31	87 200	1967
1968	13.2 AT 01:10 MST ON MAY 23	12.1 ON JUN 10	0.815 ON SEP 11	48 400	1968
1969	14.8 AT 09:55 MST ON JUN 26	14.0 ON JUN 26	0.439 ON SEP 28	47 500	1969
1970	8.95 AT 22:00 MST ON JUN 4	8.07 ON JUN 4	0.289 ON MAY 1	38 200	1970
1971	16.4 AT 21:30 MST ON MAY 27	14.7 ON JUN 5	0.481 ON SEP 28	50 800	1971
1972	28.7 AT 21:50 MST ON MAY 31	26.1 ON MAY 31	0.889B ON OCT 28	77 200	1972
1973	12.1 AT 21:00 MST ON JUN 8	8.87 ON JUN 8	0.345 ON OCT 8	30 700	1973
1974	22.1 AT 02:10 MST ON JUN 17	20.6 ON JUN 17	0.422B ON OCT 31	85 100	1974
1975	27.0 AT 01:15 MST ON JUN 20	21.5 ON JUN 20	0.589 ON OCT 28	55 700	1975
1976	20.9 AT 24:00 MST ON AUG 5	13.6 ON AUG 5	0.581 ON OCT 31	49 800	1976
1977	---	4.70E ON MAY 11	0.481 ON OCT 31	19 200	1977
1978	15.4 AT 03:40 MST ON JUN 6	14.8 ON JUN 8	0.489B ON OCT 31	54 300	1978
1979	15.5 AT 23:05 MST ON MAY 26	12.5 ON MAY 26	0.183B ON OCT 30 *	33 700	1979
1980	12.3 AT 00:00 MST ON MAY 1	10.4 ON MAY 1	0.558 ON SEP 11	33 700	1980
1981	24.6 AT 23:20 MST ON MAY 25	21.6 ON MAY 26	0.433 ON OCT 21	54 600	1981
1982	11.3 AT 22:36 MST ON JUN 15	10.1 ON JUN 15	0.528 ON OCT 21	39 800	1982
1983	8.83 AT 00:15 MST ON MAY 30	5.25 ON MAY 30	0.341A ON OCT 31	24 700	1983
1984	5.95 AT 00:28 MST ON MAY 31	5.51 ON JUN 15	0.338B ON OCT 31	24 700	1984
				44 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST CABIN CREEK NEAR MUSKEG - STATION NO. 07AC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.100	---	---	---	---	---	1972
1973	---	---	---	---	0.183	0.171	0.128	0.083	0.054	---	---	---	---	1973
1974	---	---	---	---	0.174	0.170	0.171	0.087	---	---	---	---	---	1974
MEAN	---	---	---	---	0.184	0.171	0.149	0.077	0.054	---	---	---	---	MEAN

LOCATION - LAT 53 48 00 N, LONG 118 22 00 W DRAINAGE AREA, 12.4 km² NATURAL FLOW

EAST CABIN CREEK NEAR MUSKEG - STATION NO. 07AC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	0.635B AT 18:00 MST ON MAY 13 *	0.425B ON MAY 13 *	0B ON MAY 1 *	---	1973
1974	0.326 AT 22:20 MST ON JUL 15	0.297 ON MAY 28	---	---	1974
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	12.4	10.5	13.9	8.88	5.18	2.95	---	---	---	1921
1922	---	---	---	---	20.5	5.19	2.67	0.807	0.804	0.887	---	---	---	1922
1923	---	---	---	12.9	12.3	10.2	26.2	4.37	1.51	1.38	---	---	---	1923
1924	---	---	---	1.40	10.4	3.79	11.4	19.5	13.8	5.11	---	---	---	1924
1925	---	---	---	---	7.88	4.05	5.43	8.59	4.88	3.82	---	---	---	1925
1926	---	---	---	12.5	20.4	31.0	3.11	0.844	10.8	5.71	---	---	---	1926
1927	---	---	---	8.88	20.7	88.9	78.5	4.32	4.30	5.53	---	---	---	1927
1928	---	---	0.530	22.7	27.8	15.4	8.51	3.43	4.07	2.85	---	---	10.3	1928
1929	---	---	---	21.2	38.1	11.5	22.0	12.3	14.5	9.35	---	---	---	1929
1930	---	---	---	8.75	28.8	87.1	13.8	2.78	1.87	1.78	---	---	---	1930
1959	---	---	0.010	2.85	8.48	4.19	2.17	3.70	1.81	2.38	---	---	3.22	1959
1960	---	---	0.340	8.33	17.3	19.8	4.41	0.914	1.13	0.857	---	---	8.35	1960
1961	---	---	0.123	2.37	11.7	8.08	24.8	1.80	1.13	1.36	---	---	8.20	1961
1962	---	---	0.282	23.3 R	35.8	9.85	5.71	3.90	4.87	2.12	---	---	10.8 R	1962
1963	---	---	0.388	28.8	32.3	7.57	1.84	2.92	2.13	0.585	---	---	9.84	1963
1964	---	---	0.018	3.90	34.4	5.87	20.8	37.8	11.7	5.99	---	---	15.2	1964
1965	---	---	0.380	33.6	41.6	22.8	17.6	17.2	12.0	3.89	---	---	18.6	1965
1966	---	---	0.520	20.0	24.2	5.79	2.83	4.26	2.84	0.995	---	---	7.78	1966
1967	---	---	0.298	3.13	24.3	5.85	1.94	1.11	0.480	0.581	---	---	4.85	1967
1968	---	---	0.573	2.30	8.89	18.1	9.72	3.70	2.88	1.56	---	---	5.92	1968
1969	---	---	0.071	13.5	8.83	2.08	0.832	1.17	8.22	4.33	---	---	4.79	1969
1970	---	---	0.403	13.6	23.3	15.2	11.9	4.53	3.27	2.46	---	---	9.32	1970
1971	---	---	0.432	31.7	14.2	52.1	45.9	5.18	2.20	2.11	---	---	19.1	1971
1972	---	---	0.678	8.87	24.8	18.8	9.45	4.44	2.28	2.32	---	---	8.84	1972
1973	---	---	0.481	19.2	41.1	38.8	8.14	10.8	4.88	4.24	---	---	15.7	1973
1974	---	---	0.580	52.6	51.7	8.01	24.1	3.38	3.06	2.58	---	---	18.2	1974
1975	---	---	0.439	5.88	13.4	33.8	20.2	8.80	8.88	2.97	---	---	11.8	1975
1976	---	---	0.847	31.2	15.7	32.7	23.7	42.4	13.8	6.21	---	---	20.7	1976
1977	---	---	1.18	29.9	40.6	30.1	35.8	4.07	5.17	2.71	---	---	18.7	1977
1978	---	---	0.580	13.2	17.2	25.4	4.33	3.13	16.2	5.70	---	---	10.8	1978
1979	---	---	0.848	11.1	50.0	53.6	48.8	3.53	2.11	1.72	---	---	21.4	1979
1980	---	---	0.234	11.7	8.29	10.8	11.1	6.45	14.1	4.00	---	---	8.44	1980
1981	---	---	1.83	17.1	15.4	12.3	8.02	2.30	0.738	1.13	---	---	7.42	1981
1982	---	---	0.083	2.13	23.8	3.88	11.1	21.2	3.05	1.87	---	---	8.44	1982
1983	---	---	0.133	2.77	4.12	45.7	50.7	8.93	4.85	3.09	---	---	15.1	1983
1984	---	---	0.484	5.90	22.0	18.8	7.87	4.90	8.51	3.18	---	---	8.82	1984
MEAN	---	---	0.450	14.8 R	22.5	20.4	18.7	7.70	5.84	3.07	---	---	11.3	MEAN

LOCATION - LAT 55 25 00 N DRAINAGE AREA, 1 460 km²
LONG 116 20 20 W NATURAL FLOW

R - REVISED SINCE JAN 1980

EAST PRAIRIE RIVER NEAR ENILDA - STATION NO. 07BF001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	34.3 ON JUL 18	---	---	1921
1922	---	44.5 ON MAY 10	---	---	1922
1923	---	103 ON JUL 5	0 B ON APR 1 *	---	1923
1924	90.6 AT 17:15 MST ON AUG 30	55.5 ON AUG 31	0 B ON APR 1	---	1924
1925	---	78.2B ON APR 12	---	---	1925
1926	---	88.1 ON JUN 11	---	---	1926
1927	---	248 ON JUN 28	---	---	1927
1928	---	131 B ON APR 25	0 B ON MAR 1	218 000	1928
1929	---	140 ON JUL 22	---	---	1929
1930	---	118 ON JUN 4	---	---	1930
1959	20.2 AT 15:00 MST ON MAY 15	19.5 ON MAY 15	0 B ON MAR 1	88 200	1959
1960	---	84.6 ON JUN 23	0.1428 ON MAR 2	134 000	1960
1961	80.3 AT 13:00 MST ON JUL 2	88.1 ON JUL 2	0.0858 ON MAR 1	131 000	1961
1962	85.0R AT 08:00 MST ON APR 23	79.8R ON APR 24	0.2278 ON MAR 1	228 000R	1962
1963	---	83.3 ON APR 25	0.138 ON OCT 28	202 000	1963
1964	---	158 ON MAY 8	0.0088 ON MAR 1	323 000	1964
1965	---	178 ON JUN 29	0.2188 ON MAR 1	393 000	1965
1966	---	83.0 ON MAY 8	0.4388 ON MAR 7	185 000	1966
1967	---	41.1 ON MAY 8	0.2558 ON MAR 18	103 000	1967
1968	---	78.2 ON JUN 14	0.1988 ON MAR 1	125 000	1968
1969	---	43.8 ON APR 15	0.0408 ON MAR 1	101 000	1969
1970	74.5 AT 11:30 MST ON JUN 29	81.4 ON JUN 30	0.2978 ON MAR 1	197 000	1970
1971	328 AT 23:00 MST ON JUL 4	278 ON JUL 4	0.3088 ON MAR 20	405 000	1971
1972	---	78.6 ON APR 30	0.2588 ON MAR 8	167 000	1972
1973	238 AT 21:00 MST ON JUN 17	181 ON JUN 17	0.2788 ON MAR 10	331 000	1973
1974	---	188 ON JUL 13	0.4848 ON MAR 18	386 000	1974
1975	388 AT 20:30 MST ON JUN 28 *	323 ON JUN 28	0.3888 ON APR 4	244 000	1975
1976	347 AT 23:00 MST ON AUG 18	180 ON AUG 18	0.6238 ON MAR 24	438 000	1976
1977	314 AT 09:00 MST ON JUL 13	188 ON JUL 13	0.8498 ON MAR 23	395 000	1977
1978	312 AT 20:00 MST ON JUN 18	128 ON JUN 18	0.2838 ON MAR 5	235 000	1978
1979	388 AT 00:30 MST ON JUL 3	348 ON JUN 18 *	0.4538 ON MAR 1	464 000	1979
1980	88.1 AT 21:00 MST ON MAY 28	87.2 ON MAY 28	0.1868 ON MAR 5	178 000	1980
1981	40.8 AT 00:00 MST ON APR 28	37.5 ON APR 28	0.4008 ON MAR 1	167 000	1981
1982	330 AT 14:30 MST ON AUG 4	178 ON AUG 4	0.0508 ON MAR 18	178 000	1982
1983	380 AT 23:00 MST ON JUN 28	258 ON JUN 27	0.1208 ON MAR 5	320 000	1983
1984	118 AT 02:00 MST ON JUN 8	108 ON JUN 8	0.2038 ON MAR 8	189 000	1984
				240 000R	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

EAST STREETER CREEK NEAR NANTON - STATION NO. 05AB024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	0	0	0	0.001	0.014	0.013	0.005	0.001	0.001	0.001	0.001	0	0.003	1984
1985	0	0	0	0.004	0.003	0.010	0.014	0.004	0.003	0.003	0.002	0.002	0.004	1985
1986	0	0	0	0.002	0.007	0.025	0.008	0.003	0.002	0.001	0.001	0.001	0.004	1986
1987	0	0	0	0	0.020	0.031	0.008	0.002	0.001	0.001	0.001	0	0.005	1987
1988	0.001	0.001	0	0.001	0.002	0.004	0.004	0.003	0.003	0.010	0.008	0.003	0.003	1988
1989	0.002	0.001	0.001	0.014	0.014	0.018	0.025	0.004	0.001	0.002	0.001	0.001	0.007	1989
1990	---	---	---	---	---	---	---	---	---	---	---	---	---	1990
MEAN	0.001	0	0	0.004	0.010	0.017	0.010	0.003	0.002	0.003	0.002	0.001	0.004	MEAN

LOCATION - LAT 50 06 31 N DRAINAGE AREA, 0.52 km²
LONG 114 02 58 W NATURAL FLOW

EAST STREETER CREEK NEAR NANTON - STATION NO. 05AB024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.020E ON MAY 11	0 ON JAN 1 *	98.2	1984
1985	0.052 AT 15:00 MST ON APR 1 *	0.031 ON JUL 1	0 ON JAN 1	118	1985
1986	0.052 AT 20:30 MST ON JUN 10	0.048 ON JUN 9	0 E ON JAN 3	127	1986
1987	0.057 AT 15:00 MST ON MAY 21	0.057 ON JUN 2	0 ON JAN 1	183	1987
1988	---	0.015 ON OCT 8	0 E ON JAN 1	97.7	1988
1989	0.071 AT 19:20 MST ON JUN 30	0.068 ON JUL 1 *	0.001E ON FEB 4	218	1989
1990	---	---	0 ON JAN 8	---	1990
MEAN				138	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EAST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.001	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	0.001	---	1984
1985	0.001	0.001	0.001	0.001	0.001	0.002	0.004	0.001	0.001	0.001	0.001	0.001	0.001	1985
1986	0.001	0.001	0.001	0.001	0.002	0.005	0.003	0.001	0.001	0.001	0	0	0.001	1986
1987	0.001	0.001	0.001	0.001	0.004	0.007	0.003	0.001	0.001	0.001	0.001	0	0.002	1987
1988	0	0	0	0	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	1988
1989	0.001	0.001	0.001	0.003	0.004	0.003	0.008	0.001	0.001	0.001	0.001	0.001	0.002	1989
1990	0	0.001	0.001	0.001	0.002	0.003	0.002	0.001	0.001	0.001	0.001	0	0.001	1990
1991	0.001	0.001	0	0.001	0.001	0.002	0.001	0.001	0	0	0	0	0.001	1991
1992	0.001	0.001	0.001	0.001	0.004	0.004	0.001	0.001	0.001	0.001	0.001	0.001	0.001	1992
1993	0.001	0.001	0.001	0.001	0.003	0.003	0.001	0.001	0.001	0	0	0	0.001	1993
1994	0	0.001	0.001	0.001	0.004	0.004	0.002	0.001	0.001	0.001	0	0	0.001	1994
1995	0	0	0	0	0.003	0.004	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1995
1996	0.001	0	0	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	1996
1997	0	0	0	0.001	0.001	0.001	0.001	0	0	0	0	0	0	1997
1998	0	0	0	0.001	0.005	0.005	0.002	0.001	0.001	0.001	0.001	0.001	0.002	1998
1999	0	0	0	0	0.003	0.002	0.001	0	0	0	0	0	0.001	1999
MEAN	0.001	0.001	0.001	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	MEAN

LOCATION - LAT 50 06 35 N
LONG 114 02 58 W NATURAL FLOW

EAST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	0E ON DEC 30 *	---	1984
1985	---	0.008E ON JUL 4	0E ON JAN 1	41.4	1985
1986	---	0.007 ON JUN 9	0E ON NOV 15	46.6	1986
1987	---	0.008E ON MAY 29	0E ON JAN 1	63.1	1987
1988	---	0.003 ON OCT 8	0E ON JAN 1	28.0	1988
1989	---	0.013 ON JUL 2 *	0 ON DEC 17	58.7	1989
1990	---	0.003 ON MAY 18	0 ON JAN 1	37.8	1990
1991	0.002 AT 02:00 MST ON JUN 28	0.003 ON JUN 11	0 ON JAN 1	21.3	1991
1992	0.005 AT 21:00 MST ON JUN 2	0.005 ON MAY 27	0 ON MAR 4	47.2	1992
1993	0.004 AT 22:00 MST ON JUN 2	0.004 ON MAY 12	0 ON SEP 18	36.1	1993
1994	0.010 AT 03:20 MST ON MAY 24 *	0.009 ON MAY 23	0 ON JAN 1	42.5	1994
1995	0.005 AT 01:30 MST ON MAY 29	0.005 ON MAY 25	0 ON JAN 1	40.5	1995
1996	0.003 AT 18:30 MST ON JUL 18	0.002 ON MAY 23	0 ON JAN 7	30.9	1996
1997	0.001 AT 15:00 MST ON JUN 15	0.001 ON JAN 1	0 ON JAN 7	10.8	1997
1998	0.008 AT 00:00 MST ON JUN 1	0.008 ON JUN 1	0 ON JAN 2	48.8	1998
1999	0.004 AT 18:00 MST ON MAY 18	0.004 ON MAY 18	0 ON JAN 1	18.8	1999
MEAN				37.4	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT BOW SLOPE CANAL NEAR HEADGATE - STATION NO. 05BN005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	---	5.72	9.26	10.0	5.72	5.28	---	---	---	1955
1956	---	---	---	---	2.12	6.74	9.57	3.28	3.33	3.55	---	---	5.09	1956
1957	---	---	---	---	3.05	9.31	11.1	9.42	4.42	4.44	---	---	8.86	1957
1958	---	---	---	---	5.58	12.2	10.1	8.58	6.90	3.27	---	---	7.75	1958
1959	---	---	---	0.001	1.99	8.48	9.29	8.71	6.87	5.07	0.174	---	6.73	1959
1960	---	---	---	---	1.22	10.7	12.0	10.3	7.82	8.29	---	---	8.01	1960
1961	---	---	---	---	7.69	12.2	11.8	11.5	8.50	8.46	---	---	10.4	1961
1962	---	---	---	---	7.36	12.2	12.6	11.8	7.85	7.34	---	---	8.83	1962
1963	---	---	---	0.093	6.76	11.1	8.26	8.01	3.57	5.01	---	---	7.81	1963
1964	---	---	---	---	5.62	10.9	10.7	11.9	9.86	6.25	---	---	9.38	1964
1965	---	---	---	---	5.14	8.70	5.82	5.85	1.28	4.28	---	---	5.38	1965
1966	---	---	---	---	3.11	7.91	8.68	8.08	3.42	5.33	---	---	6.08	1966
1967	---	---	---	---	0.315	3.67	9.08	10.1	6.85	9.94	---	---	6.70	1967
1968	---	---	---	---	6.84	6.88	10.7	10.5	2.46	4.06	---	---	7.27	1968
1969	---	---	---	---	2.87	9.82	9.42	8.86	5.35	6.87	---	---	7.17	1969
1970	---	---	---	---	---	6.28	6.89	8.98	8.75	8.56	3.84	---	---	8.83	1970
1971	---	---	---	0	1.98	7.72	8.86	9.78	9.61	8.27	0	---	7.49	1971
MEAN	---	---	---	0.031	4.37	9.28	9.72	9.15	6.06	5.77	0.087	---	7.42	MEAN

LOCATION - LAT 50 30 10 N
LONG 112 06 50 W REGULATED

EASTERN IRRIGATION DISTRICT BOW SLOPE CANAL NEAR HEADGATE - STATION NO. 05BN005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	10.8 ON AUG 4	0 ON MAY 1 *	---	1955
1956	---	11.8 ON JUN 15	0 ON MAY 1	80 800	1956
1957	---	12.5 ON AUG 1	0 ON MAY 1	111 000	1957
1958	---	13.1 ON JUN 15	0 E ON OCT 17	123 000	1958
1959	---	12.1 ON JUL 20	0.003E ON MAY 1	107 000	1959
1960	---	13.7 ON JUN 12	0 028E ON MAY 1	127 000	1960
1961	---	12.8 ON JUL 25	0 ON SEP 10	165 000	1961
1962	---	13.4 ON JUL 2	0 ON SEP 4	158 000	1962
1963	---	12.5 ON JUN 16	0 ON SEP 1	121 000	1963
1964	---	13.8 ON JUN 15 *	0 ON OCT 24	149 000	1964
1965	---	11.1 ON JUN 16	0 ON MAY 1	85 400	1965
1966	---	11.0 ON JUN 23	0 ON MAY 1	95 800	1966
1967	---	11.2 ON JUL 27	0 ON MAY 1	108 000	1967
1968	---	11.5 ON JUN 26	0 ON SEP 1	118 000	1968
1969	---	11.0 ON JUN 27	0 ON MAY 1	114 000	1969
1970	---	10.6 ON JUN 9	0 E ON MAY 1	109 000	1970
1971	---	10.3 ON SEP 29	0 ON MAY 1	119 000	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		118 000	MEAN

E - ESTIMATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL ABOVE ANTELOPE CROSSING - STATION NO. 05BN011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	---	---	32.4	32.2	28.8	28.8	---	---	---	1961
1962	---	---	---	---	22.8	30.3	31.2	30.7	20.6	20.1	---	---	---	1962
1963	---	---	---	0.189	25.8	32.0	32.2	15.3	13.4	15.9	---	---	---	1963
MEAN	---	---	---	0.189	24.3	31.2	28.8	26.4	19.8	20.9	---	---	---	MEAN

LOCATION - LAT 50 32 00 N
LONG 112 10 50 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL ABOVE ANTELOPE CROSSING - STATION NO. 05BN011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	---	---	---	1961
1962	---	32.8 ON JUL 10	0 ON SEP 6 *	---	1962
1963	---	36.0 ON MAY 31 *	0 ON APR 1	---	1963
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL BELOW BOW SLOPE CANAL - STATION NO. 05BN013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	0.888	11.7	15.2	14.3	15.1	13.4	6.74	---	---	12.7	1964
1965	---	---	---	---	---	---	---	---	---	---	---	---	---	1965
1966	---	---	---	---	4.26	10.3	5.91	10.6	2.42	8.42	---	---	8.98	1966
1967	---	---	---	---	8.26	11.8	14.7	13.2	3.98	6.46	---	---	9.75	1967
1968	---	---	---	---	1.31	7.47	11.0	17.5	14.3	17.8	---	---	11.8	1968
1969	---	---	---	1.56	14.0	14.1	17.4	17.4	5.32	7.85	0.002	---	12.7	1969
1970	---	---	---	---	6.11	18.4	15.7	16.8	8.83	13.5	---	---	13.7	1970
1971	---	---	---	---	10.9	17.3	6.84	10.3	14.8	7.41	---	---	11.2	1971
	---	---	---	---	9.20	18.1	18.6	20.8	19.7	11.2	---	---	16.9	
MEAN	---	---	---	1.08	8.47	13.8	13.1	15.2	10.5	9.92	0.002	---	11.8	MEAN

LOCATION - LAT 50 30 48 N
LONG 112 08 33 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL BELOW BOW SLOPE CANAL - STATION NO. 05BN013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	20.8 ON JUN 15	0 ON OCT 22 *	203 000	1964
1965	---	15.7 ON JUN 17	0 ON SEP 7	111 000	1965
1966	---	15.1 ON JUN 24	0 ON MAY 1	155 000	1966
1967	---	19.1 ON OCT 14	0.028E ON MAY 1	184 000	1967
1968	---	18.2 ON JUL 24	0 ON SEP 1	202 000	1968
1969	---	20.4 ON OCT 2	0 E ON MAY 1	218 000	1969
1970	---	22.9 ON JUN 13 *	0 E ON MAY 1	179 000	1970
1971	---	21.7 ON AUG 19	0 ON MAY 1	253 000	1971
				188 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	1.41	1.83	3.80	7.24	2.87	4.44	0	---	2.70	1917
1918	---	---	---	0	2.27	4.34	12.9	13.0	17.3	7.92	0.951	---	7.37	1918
1919	---	---	---	0	1.88	8.36	14.0	8.53	4.93	2.35	0	---	4.80	1919
1920	---	---	---	0	1.03	9.78	13.3	12.9	11.8	0.175	0	---	5.13	1920
1921	---	---	---	0	1.88	18.2	20.8	22.0	22.3	8.38	0.832	---	11.8	1921
1922	---	---	---	0	3.15	20.8	19.1	14.0	10.8	3.18	0	---	8.71	1922
1923	---	---	---	0	7.88	10.2	14.1	21.4	21.1	0.301	0	---	9.41	1923
1924	---	---	---	0.150	20.7	28.3	27.8	28.2	18.4	8.38	0	---	18.1	1924
1925	---	---	---	0	8.18	13.8	19.5	16.3	11.4	0.247	0	---	8.41	1925
1926	---	---	---	0	10.8	21.8	19.3	13.8	9.86	0	0	---	9.38	1926
1927	---	---	---	0	3.58	8.87	17.8	18.0	12.3	0.387	0	---	7.81	1927
1928	---	---	---	0	11.3	19.8	13.8	13.4	11.7	0.405	0	---	8.72	1928
1929	---	---	---	1.82	8.87	22.7	30.3	24.4	19.9	12.8	0	---	15.2	1929
1930	---	---	---	8.21	24.0	30.7	33.2	31.9	31.1	2.48	0	---	20.4	1930
1945	---	---	---	0.418	21.1	25.9	27.3	30.3	29.9	23.5	0.382	---	19.9	1945
1946	---	---	---	1.13	23.4	24.1	26.7	29.3	25.7	16.2	0	---	16.6	1946
1947	---	---	---	0	13.2	20.8	21.1	26.8	18.2	10.1	0	---	15.1	1947
1948	---	---	---	0	1.51	20.8	29.7	13.5	25.8	15.8	0	---	13.5	1948
1949	---	---	---	1.98	20.1	27.6	28.1	25.0	25.6	24.2	13.8	---	21.0	1949
1950	---	---	---	0	13.0	30.4	27.8	24.7	25.4	17.1	0	---	17.7	1950
1951	---	---	---	0	4.22	11.2	15.8	24.8	0.889	8.07	0	---	8.21	1951
1952	---	---	---	0	8.88	25.5	22.8	11.7	10.2	9.79	0	---	11.2	1952
1953	---	---	---	0	2.95	2.89	15.5	18.7	5.48	10.3	0	---	7.05	1953
1954	---	---	---	0.008	11.1	21.9	27.8	20.7	15.4	10.3	0.008	---	13.5	1954
1955	---	---	---	0.288	5.00	17.2	28.4	27.2	17.3	14.8	0.005	---	13.8	1955
1956	---	---	---	0.008	7.85	23.4	23.2	15.1	12.8	10.2	0.009	---	11.8	1956
1957	---	---	---	0.004	12.0	29.9	33.2	27.8	17.8	20.8	0.014	---	17.8	1957
1958	---	---	---	0	19.9	31.3	28.7	24.2	21.5	8.44	0	---	16.8	1958
1959	---	---	---	0.572	10.8	22.4	27.0	25.2	19.7	16.5	1.47	---	15.5	1959
1960	---	---	---	0.288	5.00	27.9	30.0	25.3	23.2	19.4	4.13	---	17.0	1960
1961	---	---	---	7.87	22.2	32.9	35.0	35.6	26.0	26.9	1.84	---	24.1	1961
1962	---	---	---	1.83	25.0	33.0	33.4	32.9	22.2	19.0	0	---	21.0	1962
1963	---	---	---	0.472	26.5	34.2	22.8	17.5	11.4	16.4	0	---	16.6	1963
1964	---	---	---	0.884	16.0	29.6	27.7	30.1	24.5	12.4	0	---	18.0	1964
1965	---	---	---	0	11.7	24.5	15.2	19.8	3.71	15.6	0	---	11.4	1965
1966	---	---	---	0.236	13.8	22.3	25.6	23.2	8.61	13.7	0	---	13.5	1966
1967	---	---	---	0	2.01	12.4	24.6	31.1	19.6	35.7	0	---	15.6	1967
1968	---	---	---	3.40	26.2	26.5	32.0	30.6	9.39	14.7	0	---	18.3	1968
1969	---	---	---	0	9.33	32.8	28.4	29.0	17.2	23.0	0	---	17.5	1969
1970	---	---	---	0	16.3	30.4	14.6	22.8	27.6	9.54	0	---	15.2	1970
1971	---	---	---	0	12.0	27.9	30.6	33.3	29.9	16.4	0	---	18.9	1971
1972	---	---	---	1.64	16.2	35.3	30.6	31.0	29.5	10.6	0	---	19.5	1972
1973	---	---	---	0.803	22.6	27.0	26.6	32.0	31.3	7.92	0	---	18.6	1973
1974	---	---	---	0.025	11.1	27.0	32.7	31.8	31.2	20.5	0	---	19.4	1974
1975	---	---	---	0.760	6.97	8.61	24.7	31.3	20.6	7.84	0.003	---	13.7	1975
1976	---	---	---	1.63	20.1	32.5	29.8	28.6	30.1	19.5	0	---	20.4	1976
1977	---	---	---	5.18	26.1	29.7	30.0	28.6	32.6	16.7	0	---	21.3	1977
1978	---	---	---	4.72	9.97	9.82	29.6	26.9	13.5	20.2	0	---	14.4	1978
1979	---	---	---	1.48	17.6	27.2	28.3	30.2	30.6	29.6	0.101	---	20.6	1979
1980	---	---	---	1.85	21.7	28.7	31.6	31.6	31.9	12.7	0	---	20.2	1980
1981	---	---	---	1.27	17.6	34.4	30.5	31.0	27.7	34.4	2.29	---	22.5	1981
1982	---	---	---	0.484	12.7	25.0	27.0	27.8	26.4	17.7	0.020	---	17.0	1982
1983	---	---	---	2.24	24.2	27.8	26.8	30.4	32.7	24.9	1.63	---	21.4	1983
1984	---	---	---	10.8	20.8	28.0	28.4	34.7	35.8	31.1	0.198	---	23.7	1984
MEAN	---	---	---	1.17	13.0	22.7	25.0	24.4	20.0	13.6	0.511	---	15.1	MEAN

LOCATION - LAT 50 43 15 N
LONG 112 20 28 W REGULATED

EASTERN IRRIGATION DISTRICT EAST BRANCH CANAL NEAR LATHOM - STATION NO. 05CJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	14.1 ON OCT 2	0 ON APR 1 *	57 000	1917
1918	---	19.6 ON SEP 14	0 ON APR 1	155 000	1918
1919	---	15.3 ON JUL 11	0 ON APR 1	101 000	1919
1920	---	19.1 ON JUN 15	0 ON APR 1	129 000	1920
1921	---	22.6 ON SEP 27	0 ON APR 1	242 000	1921
1922	---	25.7 ON JUN 29	0 ON APR 1	184 000	1922
1923	---	24.6 ON MAY 31	0 ON APR 1	188 000	1923
1924	---	29.7 ON AUG 17	0 ON APR 1	339 000	1924
1925	---	23.3 ON JUL 4	0 ON APR 1	177 000	1925
1926	---	25.6 ON JUN 13	0 ON APR 1	198 000	1926
1927	---	25.4 ON AUG 29	0 ON APR 1	185 000	1927
1928	---	23.6 ON JUN 17	0 ON APR 1	184 000	1928
1929	---	36.2 ON JUL 4	0E ON APR 1	320 000	1929
1930	---	35.4 ON JUL 2	0E ON APR 1	429 000	1930
1945	---	32.6 ON SEP 26	0 ON APR 1	420 000	1945
1946	---	33.1 ON JUL 22	0 ON APR 1	398 000	1946
1947	---	32.8 ON JUL 9	0 ON APR 1	319 000	1947
1948	---	34.3 ON JUL 6	0 ON APR 1	285 000	1948
1949	---	30.3 ON JUN 15	0 ON APR 1	442 000	1949
1950	---	36.0 ON JUN 22	0 ON APR 1	374 000	1950
1951	---	39.9 ON AUG 6	0 ON APR 1	173 000	1951
1952	---	33.1 ON JUN 20	0 ON APR 1	237 000	1952
1953	---	27.1 ON JUL 18	0 ON APR 1	148 000	1953
1954	---	35.1 ON AUG 1	0 ON APR 1	284 000	1954
1955	---	30.6 ON JUL 2	0E ON APR 1	286 000	1955
1956	---	31.4 ON JUL 26	0E ON APR 1	245 000	1956
1957	---	35.1 ON JUL 16	0E ON APR 1	375 000	1957
1958	---	33.7 ON JUN 27	0 ON APR 1	354 000	1958
1959	---	30.6 ON AUG 19	0E ON APR 1	327 000	1959
1960	---	33.1 ON JUN 11	0E ON APR 1	358 000	1960
1961	---	36.6 ON JUL 23	0E ON APR 1	509 000	1961
1962	---	36.2 ON JUL 11	0 ON APR 1	443 000	1962
1963	---	39.9 ON MAY 26	0 ON APR 1	353 000	1963
1964	---	39.6 ON JUN 12	0 ON APR 1	378 000	1964
1965	---	37.9 ON JUN 15	0 ON APR 1	240 000	1965
1966	---	30.3 ON JUN 24	0E ON APR 1	248 000	1966
1967	---	38.9 ON OCT 12	0 ON APR 1	334 000	1967
1968	---	38.9 ON MAY 28	0 ON APR 1	385 000	1968
1969	---	38.8 ON JUN 7	0E ON APR 1	370 000	1969
1970	---	42.8 ON JUN 9	0 ON APR 1	320 000	1970
1971	---	36.4 ON JUL 30	0 ON APR 1	384 000	1971
1972	---	43.0 ON JUN 7	0 ON APR 1	410 000	1972
1973	---	43.8 ON MAY 26 *	0 ON APR 1	383 000	1973
1974	---	38.5 ON JUN 23	0E ON APR 1	408 000	1974
1975	---	37.4 ON JUL 26	0E ON APR 1	267 000	1975
1976	---	34.3 ON JUN 8	0 ON APR 1	428 000	1976
1977	---	34.5 ON SEP 25	0 ON APR 1	450 000	1977
1978	---	32.8 ON JUL 21	0E ON APR 1	304 000	1978
1979	---	34.0 ON OCT 16	0E ON APR 1	432 000	1979
1980	---	38.5 ON AUG 5	0E ON APR 1	426 000	1980
1981	---	40.0 ON OCT 4	0 ON APR 1	476 000	1981
1982	---	28.2 ON JUL 11	0 ON APR 1	359 000	1982
1983	---	34.3 ON SEP 2	0 ON APR 1	452 000	1983
1984	---	37.4 ON OCT 5	0 ON APR 1	501 000	1984
				319 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT MAIN DANTRY CANAL ABOVE AQUEDUCT - STATION NO. 05BH001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	0.987	0.947	0.889	1.04	0.890	0.188	---	---	0.581	1917
1918	---	---	---	---	0.984	1.39	2.14	1.43	1.16	0.582	0.098	---	1.28	1918
1922	---	---	---	---	0.887	11.5	5.42	4.90	3.41	0.492	---	---	5.10	1922
1923	---	---	---	---	4.43	8.89	8.82	8.37	8.83	1.90	---	---	5.01	1923
1924	---	---	---	---	8.11	6.83	11.1	8.72	8.24	3.85	---	---	7.00	1924
1925	---	---	---	---	3.47	8.96	11.8	9.38	5.46	0.282	---	---	8.37	1925
1955	---	---	---	---	0.711	11.5	13.9	11.8	3.87	3.94	---	---	7.58	1955
1956	---	---	---	---	3.04	11.7	16.3	3.47	3.54	3.10	---	---	6.85	1956
1957	---	---	---	---	5.82	14.0	18.8	8.50	8.40	3.32	---	---	8.84	1957
1958	---	---	---	---	6.51	14.1	10.0	11.4	4.72	2.06	---	---	8.48	1958
1959	---	---	---	---	3.98	14.1	16.0	8.06	3.48	1.38	---	---	7.80	1959
1960	---	---	---	---	3.13	17.8	18.4	7.21	4.78	3.93	---	---	9.15	1960
1961	---	---	---	---	10.9	20.8	16.0	13.3	8.38	8.07	---	---	12.4	1961
1962	---	---	---	---	8.11	19.2	15.7	12.1	2.68	8.01	---	---	10.5	1962
1963	---	---	---	---	15.1	17.1	8.59	9.40	4.32	4.87	---	---	9.88	1963
1964	---	---	---	---	5.68	14.5	16.9	13.2	4.08	2.80	---	---	8.45	1964
1965	---	---	---	---	2.82	11.8	6.48	11.3	1.71	3.88	---	---	6.26	1965
1966	---	---	---	---	4.22	11.4	13.4	8.30	3.84	4.83	---	---	7.11	1966
1967	---	---	---	---	0.275	8.58	16.5	13.8	8.60	8.18	---	---	8.88	1967
1968	---	---	---	---	10.2	13.8	---	---	2.82	3.80	---	---	---	1968
1969	---	---	---	---	4.38	17.0	12.6	12.8	4.67	8.80	---	---	8.84	1969
1970	---	---	---	---	8.81	8.48	8.72	11.8	10.6	0.180	---	---	7.83	1970
1971	---	---	---	0	3.73	12.8	18.0	12.8	8.38	3.92	0	---	8.20	1971
MEAN	---	---	---	0	6.85	11.8	12.1	8.77	4.38	3.25	0.048	---	7.48	MEAN

LOCATION - LAT 50 31 35 N
LONG 111 52 13 W REGULATED

EASTERN IRRIGATION DISTRICT MAIN DANTRY CANAL ABOVE AQUEDUCT - STATION NO. 08HN001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	1.25 ON AUG 8	0 ON MAY 1 *	9 410	1917
1918	---	3.72 ON JUL 28	0.385 ON OCT 28	20 300	1918
1922	---	14.4 ON JUN 18	0 ON MAY 1	81 100	1922
1923	---	10.8 ON JUN 14	0 ON MAY 7	78 700	1923
1924	---	13.6 ON AUG 28	0.388 ON OCT 31	111 000	1924
1925	---	12.6 ON JUL 27	0 ON MAY 1	101 000	1925
1955	---	18.5 ON JUN 22	0 ON MAY 1	120 000	1955
1956	---	20.1 ON JUL 14	0.028E ON MAY 1	108 000	1956
1957	---	20.9 ON JUL 11	0 ON MAY 1	142 000	1957
1958	---	19.7 ON MAY 28	0 E ON MAY 1	135 000	1958
1959	---	21.0 ON JUN 19	0 ON SEP 5	124 000	1959
1960	---	20.4 ON JUL 14	0.008E ON MAY 1	145 000	1960
1961	---	21.2 ON JUN 11	0.003 ON OCT 30	198 000	1961
1962	---	20.6 ON JUN 8	0 ON MAY 1	167 000	1962
1963	---	23.3 ON MAY 29 *	0 ON MAY 1	152 000	1963
1964	---	21.1 ON AUG 3	0 ON MAY 1	150 000	1964
1965	---	15.4 ON JUN 10	0 ON MAY 1	99 500	1965
1966	---	15.7 ON JUL 14	0 ON MAY 1	113 000	1966
1967	---	19.3 ON JUL 25	0 ON MAY 1	138 000	1967
1968	---	---	---	---	1968
1969	---	19.8 ON JUN 27	0 ON MAY 1	152 000	1969
1970	---	19.0 ON JUN 9	0 ON MAY 1	126 000	1970
1971	---	17.4 ON AUG 3	0 ON MAY 1	148 000	1971
				119 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	0	1.15	2.34	1.54	1.08	0.815	0.380	0	---	0.912	1914
1915	---	---	---	0.561	1.14	0.826	1.04	1.29	1.28	0.717	0.187	---	0.882	1915
1916	---	---	---	0	1.15	1.10	0.888	0.808	0.395	0.453	0.087	---	0.591	1916
1917	---	---	---	0	0.273	0.835	2.04	1.08	0.818	0.566	0	---	0.833	1917
1918	---	---	---	0	0.168	4.40	5.90	2.46	1.82	2.12	0.320	---	2.16	1918
1919	---	---	---	0	0.220	4.63	8.25	2.83	1.12	0.261	0	---	2.16	1919
1920	---	---	---	0	0.039	3.87	5.03	3.41	1.04	0.023	0	---	1.89	1920
1921	---	---	---	0	0.488	8.24	8.88	3.39	2.00	0.278	0	---	3.87	1921
1922	---	---	---	0	0.816	7.61	4.15	4.03	1.28	0.124	0	---	2.72	1922
1923	---	---	---	0	1.89	1.33	3.86	2.02	1.37	0.014	0	---	1.26	1923
1924	---	---	---	0	2.48	4.98	9.21	2.87	2.07	0.788	0	---	2.78	1924
1925	---	---	---	0	1.48	5.28	8.14	4.39	2.72	0	0	---	2.81	1925
1926	---	---	---	0	2.32	6.85	8.38	5.08	2.18	0	0	---	3.06	1926
1927	---	---	---	0	0.252	1.16	1.44	2.47	1.90	0	0	---	0.802	1927
1928	---	---	---	0	1.86	4.48	1.10	2.31	1.87	0.077	0	---	1.42	1928
1929	---	---	---	0	2.09	5.28	8.37	4.48	3.26	0.033	0	---	3.07	1929
1930	---	---	---	0	1.88	7.10	7.43	4.47	2.78	0	0	---	2.87	1930
1945	---	---	---	0	3.29	7.88	7.89	5.08	4.77	2.78	0	---	4.33	1945
1946	---	---	---	0.088	5.27	8.43	7.52	5.28	3.74	2.31	0	---	3.87	1946
1947	---	---	---	0	2.42	5.26	9.70	5.29	3.81	2.08	0	---	3.88	1947
1948	---	---	---	0	0	5.70	8.71	2.08	3.88	2.47	0	---	2.87	1948
1949	---	---	---	0.488	6.34	9.24	8.88	4.11	2.80	2.87	0	---	4.30	1949
1950	---	---	---	0	1.94	5.27	7.58	4.04	1.83	1.88	0	---	3.21	1950
1951	---	---	---	0	0.631	2.98	8.12	4.80	0.263	1.78	0	---	2.08	1951
1952	---	---	---	0	0.613	5.88	8.10	3.84	3.03	2.48	0	---	2.81	1952
1953	---	---	---	0	0.113	0.818	4.37	4.53	0.800	2.83	0	---	1.84	1953
1954	---	---	---	0	0.388	2.88	7.85	4.78	0.888	1.83	0	---	2.34	1954
1955	---	---	---	0	0.888	4.88	8.04	4.83	1.44	1.78	0	---	2.33	1955
1956	---	---	---	0	0.818	7.00	8.87	3.87	3.14	3.08	0	---	3.01	1956
1957	---	---	---	0	2.18	8.08	7.97	4.88	1.80	2.34	0	---	3.41	1957
1958	---	---	---	0	2.71	8.01	8.28	6.47	1.70	1.31	0	---	3.32	1958
1959	---	---	---	0	2.10	8.87	7.83	4.85	2.13	1.33	0	---	2.94	1959
1960	---	---	---	0	0.807	10.3	10.8	5.87	3.44	2.48	0	---	4.17	1960
1961	---	---	---	0	1.45	12.0	10.4	7.14	3.03	2.34	0	---	4.86	1961
1962	---	---	---	0	2.78	8.31	8.78	5.81	1.72	2.88	0	---	4.12	1962
1963	---	---	---	0	4.88	8.81	8.18	7.83	1.80	3.00	0	---	4.04	1963
1964	---	---	---	0	1.97	7.73	8.78	7.38	2.07	2.21	0	---	3.78	1964
1965	---	---	---	0	1.00	8.38	8.08	7.27	1.27	2.27	0	---	3.17	1965
1966	---	---	---	0	1.84	8.21	7.08	8.08	1.82	1.88	0	---	3.04	1966
1967	---	---	---	0	0.238	4.17	10.3	8.88	2.40	3.10	0	---	3.43	1967
1968	---	---	---	0.187	4.40	7.02	8.84	6.88	1.88	1.88	0	---	3.72	1968
1969	---	---	---	0	1.85	10.8	8.38	8.78	2.04	1.44	0	---	3.84	1969
1970	---	---	---	0	1.38	8.61	3.84	8.80	3.14	1.11	0	---	2.84	1970
1971	---	---	---	0	1.21	8.80	8.70	8.82	3.47	1.08	0	---	3.82	1971
1972	---	---	---	0	3.04	10.3	9.28	8.88	3.20	1.07	0	---	4.28	1972
1973	---	---	---	0	2.83	8.81	8.28	8.88	3.17	0.883	0	---	3.88	1973
1974	---	---	---	0	0.882	7.31	8.43	8.18	3.72	1.33	0	---	3.85	1974
1975	---	---	---	0	0.231	1.82	10.2	8.38	3.82	1.41	0	---	2.88	1975
1976	---	---	---	0	4.84	10.1	8.82	4.80	2.71	1.84	0	---	4.10	1976
1977	---	---	---	0.440	4.88	8.78	10.8	4.88	1.88	0.880	0	---	4.10	1977
1978	---	---	---	0.008	0.380	3.88	12.0	4.88	1.18	0.812	0	---	2.80	1978
1979	---	---	---	0	0.713	8.42	11.8	8.78	4.27	1.84	0.008	---	4.11	1979
1980	---	---	---	0	3.28	8.27	12.1	8.08	2.47	1.88	0	---	4.12	1980
1981	---	---	---	0	1.51	8.08	10.1	8.81	4.27	1.88	0	---	4.01	1981
1982	---	---	---	0	2.28	8.84	8.89	8.88	3.88	1.48	0	---	4.03	1982
1983	---	---	---	0	3.11	8.92	10.3	8.72	3.08	2.34	0.021	---	4.45	1983
1984	---	---	---	0.027	3.88	10.8	13.3	4.88	2.40	3.41	---	---	---	1984
MEAN	---	---	---	0.031	1.83	8.32	7.47	4.89	2.32	1.47	0.010	---	3.03	MEAN

LOCATION - LAT 50 45 00 N
LONG 113 25 00 W REGULATED

EASTERN IRRIGATION DISTRICT NORTH BRANCH CANAL NEAR BASSANO - STATION NO. 05CJ001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	4.78 ON AUG 2	0 ON APR 1 *	19 200	1914
1915	---	1.83 ON MAY 12	0E ON APR 1	15 800	1915
1916	---	1.78 ON MAY 24	0 ON APR 1	12 800	1916
1917	---	4.19 ON JUL 25	0 ON APR 1	17 800	1917
1918	---	8.81 ON JUL 3	0 ON APR 1	45 500	1918
1919	---	12.8 ON JUL 3	0 ON APR 1	45 900	1919
1920	---	8.38 ON JUN 24	0 ON APR 1	35 500	1920
1921	---	13.1 ON JUN 28	0 ON APR 1	50 800	1921
1922	---	10.5 ON JUN 28	0 ON APR 1	57 400	1922
1923	---	7.80 ON JUL 28	0 ON APR 1	28 800	1923
1924	---	10.8 ON JUL 22	0 ON APR 1	58 900	1924
1925	---	9.12 ON JUL 8	0 ON APR 1	53 000	1925
1926	---	9.91 ON JUL 19	0 ON APR 1	48 100	1926
1927	---	2.86 ON AUG 20	0 ON APR 1	18 000	1927
1928	---	7.31 ON JUN 8	0 ON APR 1	30 000	1928
1929	---	10.3 ON JUN 21	0 ON APR 1	64 800	1929
1930	---	11.9 ON JUN 20	0 ON APR 1	62 800	1930
1945	---	12.0 ON JUN 28	0 ON APR 1	51 200	1945
1946	---	12.0 ON JUL 28	0 ON APR 1	61 500	1946
1947	---	11.7 ON JUL 20	0 ON APR 1	77 000	1947
1948	---	8.97 ON JUL 3	0 ON APR 1	60 400	1948
1949	---	11.8 ON JUN 25	0E ON APR 1	50 700	1949
1950	---	12.5 ON JUN 22	0 ON APR 1	57 800	1950
1951	---	9.26 ON JUL 23	0 ON APR 1	44 100	1951
1952	---	9.83 ON JUN 10	0 ON APR 1	59 200	1952
1953	---	8.10 ON JUL 26	0 ON APR 1	34 500	1953
1954	---	13.3 ON AUG 1	0 ON APR 1	49 300	1954
1955	---	8.27 ON JUN 28	0 ON APR 1	49 000	1955
1956	---	11.0 ON JUN 11	0 ON APR 1	63 500	1956
1957	---	13.9 ON JUN 8	0 ON APR 1	71 800	1957
1958	---	12.3 ON JUN 27	0 ON APR 1	70 000	1958
1959	---	11.1 ON JUL 22	0 ON APR 1	52 100	1959
1960	---	12.9 ON JUN 11	0 ON APR 1	66 000	1960
1961	---	13.6 ON JUN 11	0 ON APR 1	56 100	1961
1962	---	10.9 ON JUL 7	0 ON APR 1	66 600	1962
1963	---	12.6 ON MAY 31	0 ON APR 1	65 200	1963
1964	---	15.3 ON JUL 25	0 ON APR 1	79 900	1964
1965	---	14.2 ON JUN 15	0 ON APR 1	68 800	1965
1966	---	11.1 ON AUG 6	0 ON APR 1	64 100	1966
1967	---	13.0 ON JUL 20	0 ON APR 1	72 300	1967
1968	---	13.1 ON JUL 17	0 ON APR 1	76 300	1968
1969	---	13.6 ON JUN 7	0 ON APR 1	76 800	1969
1970	---	14.3 ON JUN 10	0 ON APR 1	69 800	1970
1971	---	14.2 ON AUG 8	0 ON APR 1	75 300	1971
1972	---	14.1 ON JUN 9	0 ON APR 1	68 600	1972
1973	---	12.9 ON AUG 2	0 ON APR 1	75 400	1973
1974	---	13.6 ON AUG 8	0E ON APR 1	61 100	1974
1975	---	15.2 ON JUL 15	0E ON APR 1	60 100	1975
1976	---	12.9 ON JUN 8	0E ON APR 1	66 400	1976
1977	---	13.2 ON JUN 28	0A ON APR 1	66 500	1977
1978	---	15.1 ON JUL 18	0E ON APR 1	61 100	1978
1979	---	14.8 ON JUL 26	0E ON APR 1	68 800	1979
1980	---	17.9 ON JUL 20 *	0 ON APR 1	66 800	1980
1981	---	15.8 ON JUL 21	0 ON APR 1	64 400	1981
1982	---	14.2 ON JUL 27	0 ON APR 1	64 900	1982
1983	---	14.1 ON JUL 26	0 ON APR 1	63 800	1983
1984	---	15.7 ON JUL 13	0 ON APR 1	---	1984
				53 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT ROLLING HILLS CANAL NEAR HEADGATE - STATION NO. 05BN004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	---	---	---	0.357	3.84	5.77	2.55	1.05	1.70	---	---	2.40	1955
1956	---	---	---	---	0.420	4.50	5.81	1.52	1.67	1.19	---	---	2.48	1956
1957	---	---	---	---	1.18	5.07	7.68	2.55	1.13	1.04	---	---	3.11	1957
1958	---	---	---	---	2.13	7.37	5.04	2.38	0.888	0.888	---	---	3.10	1958
1959	---	---	---	---	0.938	6.05	5.78	2.78	1.30	1.05	---	---	2.88	1959
1960	---	---	---	---	0.839	6.06	7.10	1.85	1.60	1.92	---	---	3.85	1960
1961	---	---	---	---	3.73	7.84	6.83	4.20	1.96	2.46	---	---	4.80	1961
1962	---	---	---	---	3.01	7.90	5.51	4.77	0.782	2.82	---	---	4.10	1962
1963	---	---	---	---	5.22	6.31	3.00	3.73	1.63	2.84	---	---	3.82	1963
1964	---	---	---	---	1.28	4.85	5.83	3.84	0.727	1.49	---	---	3.18	1964
1965	---	---	---	---	0.822	3.84	2.25	2.88	0.553	1.07	---	---	1.72	1965
1966	---	---	---	---	1.00	3.84	6.50	2.55	0.618	1.42	---	---	2.58	1966
1967	---	---	---	---	0.324	1.98	6.00	4.23	1.49	3.45	---	---	3.25	1967
1968	---	---	---	0.071	1.72	6.14	7.38	3.10	0.618	1.07	---	---	3.27	1968
1969	---	---	---	---	1.48	7.27	6.22	3.64	1.71	2.88	---	---	3.84	1969
1970	---	---	---	---	2.04	3.67	3.63	4.63	2.34	1.78	---	---	3.03	1970
1971	---	---	---	0	1.70	6.75	7.05	3.99	2.31	1.84	0	---	4.04	1971
MEAN	---	---	---	0.039	1.88	5.49	5.86	3.22	1.34	1.79	0	---	3.24	MEAN

LOCATION - LAT 50 22 25 N
LONG 111 52 50 W REGULATED

EASTERN IRRIGATION DISTRICT ROLLING HILLS CANAL NEAR HEADGATE - STATION NO. 05BN004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	---	6.97 ON JUN 28	0 ON MAY 1 *	38 200	1955
1956	---	7.22 ON JUN 15	0 ON MAY 1	39 400	1956
1957	---	6.75 ON JUL 15	0 ON MAY 1	49 400	1957
1958	---	6.55 ON JUN 2	0 ON MAY 1	49 200	1958
1959	---	9.94 ON JUN 22	0 ON MAY 1	47 300	1959
1960	---	9.37 ON JUN 15	0 ON MAY 1	56 400	1960
1961	---	6.83 ON JUN 7	0 ON SEP 8	71 400	1961
1962	---	9.08 ON JUN 5	0.003E ON MAY 1	85 300	1962
1963	---	9.80 ON MAY 28	0 ON OCT 20	80 800	1963
1964	---	8.98 ON JUN 10	0 ON AUG 24	80 300	1964
1965	---	7.56 ON JUN 15	0 A ON MAY 1	27 300	1965
1966	---	6.81 ON JUL 15	0 ON MAY 1	42 800	1966
1967	---	9.09 ON JUL 21	0 ON MAY 1	51 800	1967
1968	---	10.1 ON JUN 26 *	0 ON OCT 27	53 800	1968
1969	---	8.98 ON JUN 19	0 ON MAY 1	61 000	1969
1970	---	9.06 ON JUN 10	0 ON MAY 1	48 100	1970
1971	---	9.80 ON JUN 26	0 ON MAY 1	84 100	1971
				51 800	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	0.209	1.44	4.03	2.31	1.37	0.915	0	---	1.28	1917
1918	---	---	---	0	1.42	5.71	5.52	3.11	1.58	2.47	0.415	---	2.59	1918
1919	---	---	---	0	0.834	5.87	10.4	2.75	2.01	1.53	0	---	3.05	1919
1920	---	---	---	0	0.503	7.97	11.1	5.60	3.95	0.285	0	---	3.88	1920
1921	---	---	---	0	1.17	15.8	20.3	7.74	5.01	2.20	0	---	6.88	1921
1922	---	---	---	0	1.83	16.7	20.9	8.57	5.01	0.521	0	---	6.88	1922
1923	---	---	---	0	5.60	8.54	8.21	5.58	5.44	0.734	0	---	4.18	1923
1924	---	---	---	0.373	9.12	15.5	15.5	8.37	6.42	2.13	0	---	7.71	1924
1925	---	---	---	0	3.27	13.5	17.3	11.1	7.91	0.002	0	---	5.85	1925
1926	---	---	---	0	5.84	15.1	15.4	12.5	10.3	0.180	0	---	8.20	1926
1927	---	---	---	0	0.646	8.41	8.58	7.75	5.52	0	0	---	3.75	1927
1928	---	---	---	0	7.89	14.4	8.20	6.18	7.98	0.192	0	---	5.67	1928
1929	---	---	---	0.673	8.04	14.5	15.7	12.1	10.0	5.85	0	---	8.61	1929
1930	---	---	---	0.495	4.90	15.5	17.5	12.3	10.4	0	0	---	8.10	1930
1945	---	---	---	0	5.40	17.5	22.5	15.5	9.41	7.46	0	---	9.90	1945
1946	---	---	---	0	11.2	19.0	21.3	14.8	9.29	5.04	0	---	10.1	1946
1947	---	---	---	0	3.27	13.3	25.7	14.4	7.40	4.71	0	---	8.78	1947
1948	---	---	---	0	0.232	13.0	24.3	8.40	5.84	5.32	0	---	8.84	1948
1949	---	---	---	0.410	11.0	21.4	24.5	12.3	9.52	6.91	0	---	10.3	1949
1950	---	---	---	0	3.51	21.3	21.5	8.91	4.35	4.17	0	---	8.03	1950
1951	---	---	---	0	0.384	3.29	12.5	11.5	0	3.26	0	---	3.88	1951
1952	---	---	---	0	2.87	15.2	11.5	7.93	5.10	4.28	0	---	5.01	1952
1953	---	---	---	0	0.388	0.808	8.63	9.82	1.51	5.75	0	---	3.34	1953
1954	---	---	---	0	1.33	7.50	19.5	9.25	2.18	4.50	0	---	5.63	1954
1955	---	---	---	0	1.08	11.0	19.5	13.3	3.96	5.40	0	---	8.84	1955
1956	---	---	---	0	2.08	15.9	19.2	5.63	7.20	6.84	0	---	7.38	1956
1957	---	---	---	0	5.62	16.5	21.5	12.3	5.18	5.41	0	---	8.85	1957
1958	---	---	---	0	8.47	22.0	12.0	13.1	3.82	3.71	0	---	7.88	1958
1959	---	---	---	0	2.79	12.6	15.1	9.43	3.74	3.23	0	---	5.89	1959
1960	---	---	---	0	3.21	17.3	20.5	11.4	4.83	4.14	0.001	---	7.89	1960
1961	---	---	---	0.001	4.48	24.3	20.9	13.7	5.28	5.77	0	---	9.46	1961
1962	---	---	---	0.055	4.87	21.6	19.1	12.8	1.74	3.88	0	---	8.03	1962
1963	---	---	---	0	5.83	20.0	10.1	14.1	2.41	4.43	0	---	7.83	1963
1964	---	---	---	0.001	4.88	14.7	18.3	12.6	3.94	3.81	0	---	7.33	1964
1965	---	---	---	0	3.58	12.5	10.4	13.6	2.02	4.20	0	---	5.85	1965
1966	---	---	---	0.280	3.19	14.3	14.7	9.23	2.84	4.32	0	---	6.10	1966
1967	---	---	---	0	0.142	5.38	20.3	14.4	5.33	7.88	0	---	8.71	1967
1968	---	---	---	0.089	6.89	14.4	18.0	9.32	2.05	3.29	0.005	---	6.80	1968
1969	---	---	---	0	3.71	19.8	12.4	12.8	4.41	3.72	0	---	7.08	1969
1970	---	---	---	0	4.48	12.8	12.0	12.1	5.85	3.71	0	---	8.24	1970
1971	---	---	---	0	2.93	13.8	18.4	18.2	8.09	2.82	0	---	7.81	1971
1972	---	---	---	0.003	8.73	16.8	20.1	18.4	8.31	3.42	0	---	8.85	1972
1973	---	---	---	0.001	8.25	8.82	20.8	13.8	5.71	3.70	0.005	---	7.85	1973
1974	---	---	---	0	0.976	17.3	19.8	18.0	7.58	4.78	0	---	8.35	1974
1975	---	---	---	0	1.18	4.38	20.5	13.7	5.37	2.54	0	---	5.03	1975
1976	---	---	---	0	8.82	22.3	18.6	7.78	5.55	4.16	0	---	8.58	1976
1977	---	---	---	1.18	7.00	20.4	23.1	7.38	2.88	1.68	0.002	---	8.03	1977
1978	---	---	---	0.003	1.48	7.48	20.3	8.72	1.82	2.43	0.011	---	5.30	1978
1979	---	---	---	0	2.24	13.4	21.1	10.3	8.73	3.08	0	---	7.15	1979
1980	---	---	---	0.250	8.25	12.8	21.0	8.88	8.48	2.81	0	---	7.77	1980
1981	---	---	---	0	2.21	14.4	18.1	11.1	8.83	3.08	0	---	7.34	1981
1982	---	---	---	0	4.84	17.8	11.0	13.3	4.83	2.82	0	---	8.78	1982
1983	---	---	---	0	4.85	17.3	17.1	15.3	8.30	3.28	---	---	---	1983
1984	---	---	---	0.254	8.13	18.3	27.8	8.88	8.88	3.38	---	---	---	1984
MEAN	---	---	---	0.078	4.20	14.1	17.1	10.7	5.25	3.63	0.008	---	8.82	MEAN

LOCATION - LAT 50 43 20 N
LONG 113 20 20 W REGULATED

EASTERN IRRIGATION DISTRICT SPRINGHILL CANAL NEAR LATHOM - STATION NO. 05CJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	4.30 ON JUL 22	0 ON APR 1 *	27 000	1917
1918	---	8.65 ON JUN 17	0 ON APR 1	54 500	1918
1919	---	14.3 ON JUL 15	0 ON APR 1	84 400	1919
1920	---	16.7 ON JUL 4	0 ON APR 1	77 800	1920
1921	---	25.2 ON JUL 3	0 ON APR 1	141 000	1921
1922	---	25.7 A ON JUN 30	0 ON APR 1	141 000	1922
1923	---	14.9 ON JUL 29	0 ON APR 1	87 700	1923
1924	---	20.2 ON JUL 22	0 ON APR 1	103 000	1924
1925	---	19.8 ON JUL 8	0 ON APR 1	140 000	1925
1926	---	20.6 ON JUN 20	0 ON APR 1	173 000	1926
1927	---	8.08 ON AUG 9	0 ON APR 1	78 800	1927
1928	---	19.7 ON JUN 2	0 ON APR 1	124 000	1928
1929	---	20.1 ON JUL 1	0 ON APR 1	179 000	1929
1930	---	24.6 ON JUN 23	0 ON APR 1	171 000	1930
1945	---	29.7 ON JUN 25	0 ON APR 1	209 000	1945
1946	---	29.4 ON JUN 22	0 ON APR 1	214 000	1946
1947	---	27.6 ON JUL 22	0 ON APR 1	185 000	1947
1948	---	28.3 ON JUL 13	0 ON APR 1	148 000	1948
1949	---	28.6 ON JUN 20	0 ON APR 1	217 000	1949
1950	---	27.9 ON JUN 19	0 ON APR 1	189 000	1950
1951	---	24.6 ON JUL 31	0 ON APR 1	83 900	1951
1952	---	23.0 ON JUN 11	0 ON APR 1	127 000	1952
1953	---	14.8 E ON JUL 23	0 ON APR 1	70 500	1953
1954	---	26.8 ON JUL 22	0 ON APR 1	119 000	1954
1955	---	24.4 ON JUL 25	0 ON APR 1	144 000	1955
1956	---	24.2 ON JUN 15	0E ON APR 1	155 000	1956
1957	---	25.4 ON JUL 11	0E ON APR 1	182 000	1957
1958	---	27.9 ON JUN 12	0E ON APR 1	188 000	1958
1959	---	23.1 ON JUL 19	0E ON APR 1	124 000	1959
1960	---	23.4 ON JUL 24	0 ON APR 1	182 000	1960
1961	---	28.7 ON JUN 13	0E ON APR 1	200 000	1961
1962	---	25.7 ON JUL 4	0E ON APR 1	189 000	1962
1963	---	26.8 ON JUN 8	0E ON APR 1	181 000	1963
1964	---	26.3 ON JUL 25	0E ON APR 1	184 000	1964
1965	---	23.4 ON JUL 30	0 ON APR 1	123 000	1965
1966	---	20.8 ON JUN 24	0E ON APR 1	128 000	1966
1967	---	28.6 ON JUL 30	0 ON APR 1	141 000	1967
1968	---	26.4 ON JUN 25	0E ON APR 1	143 000	1968
1969	---	24.1 ON JUN 28	0E ON APR 1	148 000	1969
1970	---	28.9 ON JUN 10	0 ON APR 1	134 000	1970
1971	---	27.3 ON AUG 4	0 ON APR 1	158 000	1971
1972	---	23.7 ON JUN 8	0E ON APR 1	187 000	1972
1973	---	25.6 ON JUL 28	0 ON APR 1	158 000	1973
1974	---	28.2 ON JUL 30	0E ON APR 1	178 000	1974
1975	---	30.3 ON JUL 19	0E ON APR 1	127 000	1975
1976	---	25.3 ON JUN 15	0E ON APR 1	161 000	1976
1977	---	27.3 ON JUL 25	0A ON APR 1	168 000	1977
1978	---	26.1 ON JUL 14	0 ON MAY 1	112 000	1978
1979	---	25.2 ON JUL 24	0E ON APR 1	151 000	1979
1980	---	24.0 ON JUL 14	0E ON APR 1	184 000	1980
1981	---	28.8 ON JUL 19	0 ON APR 1	185 000	1981
1982	---	29.2 ON JUN 28	0E ON APR 1	143 000	1982
1983	---	---	---	---	1983
1984	---	30.7 ON JUL 26 *	0 ON APR 1	---	1984
				144 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EASTERN IRRIGATION DISTRICT WEST DANTRY CANAL NEAR HEADGATE - STATION NO. 05BN003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.385	0.815	1.03	0.340	0.277	0.388	0.107	---	0.518	1918
1955	---	---	---	---	0.008	2.84	4.78	2.51	0.484	0.917	0	---	1.83	1955
1956	---	---	---	---	0.108	3.72	4.58	0.583	0.820	1.10	0	---	1.82	1956
1957	---	---	---	---	1.22	4.30	8.42	1.85	0.724	0.733	0	---	2.49	1957
1958	---	---	---	---	1.84	4.40	3.50	1.87	1.15	0.515	0	---	2.21	1958
1959	---	---	---	---	0.229	4.05	6.04	1.51	0.715	0.331	0	---	2.15	1959
1960	---	---	---	---	0.505	5.85	6.58	1.84	1.25	1.32	0	---	2.82	1960
1961	---	---	---	---	3.21	5.80	5.98	2.81	1.47	1.77	0	---	3.85	1961
1962	---	---	---	---	2.40	5.01	4.81	3.55	0.829	1.41	0	---	3.13	1962
1963	---	---	---	---	3.80	5.57	1.55	2.81	0.834	0.978	0	---	2.45	1963
1964	---	---	---	---	1.31	3.71	4.78	3.12	0.953	0.557	0	---	2.41	1964
1965	---	---	---	---	0.822	3.88	2.27	3.24	0.480	0.801	0	---	1.89	1965
1966	---	---	---	---	1.22	4.85	5.48	2.14	0.844	1.17	0	---	2.54	1966
1967	---	---	---	---	0.048	2.05	5.88	4.28	1.28	2.58	0	---	2.70	1967
1968	---	---	---	0.382	4.18	5.05	5.77	2.15	1.14	1.12	0.001	---	3.24	1968
1969	---	---	---	---	0.722	5.87	4.37	3.86	0.877	1.58	0	---	2.83	1969
1970	---	---	---	---	1.84	2.85	2.89	3.02	2.56	0.058	0	---	2.18	1970
1971	---	---	---	0	0.838	4.20	6.30	3.77	0.870	0.548	0	---	2.78	1971
MEAN	---	---	---	---	0.181	1.34	4.20	4.82	2.47	0.960	0.997	0.008	---	2.43	MEAN

LOCATION - LAT 50 32 05 N
LONG 111 48 10 W REGULATED

EASTERN IRRIGATION DISTRICT WEST BANTRY CANAL NEAR HEADGATE - STATION NO. 05BN003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	1.73 ON JUN 10	0 ON MAY 1 *	8 280	1918
1955	---	5.78 ON JUL 8	0 ON MAY 1	30 800	1955
1956	---	6.20 ON JUN 29	0 ON MAY 1	28 900	1956
1957	---	7.02 ON JUL 12	0 ON MAY 1	38 800	1957
1958	---	5.78 ON JUN 19	0 ON MAY 1	35 100	1958
1959	---	7.45 ON JUN 25	0 ON MAY 1	34 200	1959
1960	---	8.30 ON JUL 15	0 ON MAY 1	44 800	1960
1961	---	7.33 ON JUN 28	0 ON MAY 18	58 000	1961
1962	---	6.85 ON JUN 25	0 ON MAY 1	49 800	1962
1963	---	7.33 ON JUN 20	0 ON MAY 1	38 900	1963
1964	---	6.89 ON JUL 30	0 ON MAY 1	38 300	1964
1965	---	5.72 ON JUN 11	0 ON MAY 1	30 100	1965
1966	---	9.37 ON JUN 29 *	0E ON MAY 1	40 300	1966
1967	---	7.08 ON JUL 16	0 ON MAY 1	42 900	1967
1968	---	7.50 ON JUL 5	0 ON SEP 15	51 400	1968
1969	---	7.33 ON JUN 26	0 ON MAY 1	44 900	1969
1970	---	5.85 ON JUN 8	0 ON MAY 1	34 400	1970
1971	---	6.57 ON JUL 23	0 ON MAY 1	43 900	1971
				38 800	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	2.37	2.03	12.9	31.6	12.7	6.42	4.61	3.81	---	---	9.49	1967
1968	---	---	1.95	2.07	8.29	17.9	10.8	7.38	5.88	5.48	3.70	2.89	7.20	1968
1969	2.70	2.17	1.87	2.84	11.8	21.0	20.1	8.84	4.84	3.83	3.31	2.68	9.18	1969
1970	2.10	2.13	1.80	1.85	8.40	22.8	9.07	4.85	4.01	3.48	2.88	2.19	6.88	1970
1971	2.10	1.88	1.67	2.28	10.8	20.1	8.35	5.19	3.77	3.84	2.84	2.21	6.90	1971
1972	2.18	1.78	2.05	2.22	10.9	22.8	12.4	8.51	5.24	4.48	3.43	2.88	8.87	1972
1973	2.22	2.16	2.04	2.18	9.88	19.2	9.50	5.48	5.47	3.89	2.92	2.48	7.32	1973
1974	2.10	1.88	1.78	2.45	8.95	29.7	14.8	9.35	7.37	4.38	3.49	2.81	9.78	1974
1975	1.89	2.31	1.81	2.03	8.04	18.3	13.8	6.48	4.42	3.88	2.74	2.40	7.05	1975
1976	1.82	1.73	1.68	2.08	8.88	8.14	8.42	10.7	5.17	4.28	3.13	2.88	6.39	1976
1977	2.15	1.87	1.78	1.88	4.87	7.22	4.05	8.07	4.33	3.41	---	---	4.21	1977
1978	---	---	1.45	1.86	7.23	18.3	12.1	8.51	8.58	4.83	---	---	7.20	1978
1979	---	---	1.97	2.28	7.88	10.7	8.88	4.32	3.48	2.68	---	---	4.88	1979
1980	---	---	1.48	2.22	8.71	22.2	8.83	7.18	8.00	4.87	---	---	7.51	1980
1981	---	---	1.87	2.08	18.5	23.5	17.3	8.24	8.00	3.78	---	---	10.2	1981
1982	---	---	1.72	1.85	4.18	17.3	7.82	4.38	3.75	3.88	---	---	5.61	1982
1983	---	---	1.85	2.31	8.83	11.1	8.14	4.80	3.38	2.98	---	---	5.84	1983
1984	---	---	1.57	1.83	3.21	11.4	5.81	3.89	2.85	3.28	---	---	4.20	1984
MEAN	2.13	1.98	1.81	2.13	8.88	18.6	10.5	6.52	4.90	3.88	3.13	2.54	7.14	MEAN

LOCATION - LAT 50 51 20 N LONG 114 47 37 W

DRAINAGE AREA, 437 km^2
NATURAL FLOW

ELBOW RIVER ABOVE ELBOW FALLS - STATION NO. 05BJ004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	159 AT 22:30 MST ON MAY 30 *	105 ON MAY 31 *	1.84B ON APR 20	201 000	1967
1968	33.1 AT 00:31 MST ON JUN 3	27.3 ON JUN 10	1.85 ON APR 4	152 000	1968
1969	85.1 AT 09:20 MST ON JUN 28	57.8 ON JUN 28	1.78B ON MAR 1	194 000	1969
1970	56.9 AT 15:48 MST ON JUN 18	52.1 ON JUN 18	1.88 ON MAR 7	148 000	1970
1971	58.6 AT 05:00 MST ON JUN 8	49.0 ON JUN 8	1.80 ON MAR 8	148 000	1971
1972	43.8 AT 01:30 MST ON JUN 1	38.8 ON JUN 1	1.84B ON MAR 1	183 000	1972
1973	38.8 AT 04:30 MST ON JUN 7	31.7 ON JUN 7	1.97 ON APR 2	155 000	1973
1974	81.4 AT 01:00 MST ON JUN 17	52.7 ON JUN 17	1.70 ON MAR 11	207 000	1974
1975	48.7 AT 23:30 MST ON JUN 19	39.4 ON JUN 20	1.68B ON MAR 28	148 000	1975
1976	30.0 AT 03:00 MST ON AUG 8	24.8 ON AUG 8	1.63 ON MAR 30	135 000	1976
1977	18.2 AT 10:00 MST ON AUG 13	13.6 ON AUG 14	1.72 ON MAR 26	88 100	1977
1978	46.0 AT 22:00 MST ON JUN 5	35.7 ON JUN 6	1.22 ON MAR 23 *	152 000	1978
1979	31.5 AT 23:00 MST ON MAY 28	23.2 ON MAY 27	1.85B ON MAR 22	106 000	1979
1980	48.8 AT 00:30 MST ON JUN 11	38.0 ON JUN 11	1.43 ON MAR 30	159 000	1980
1981	78.6 AT 00:30 MST ON MAY 26	62.1 ON MAY 28	1.70E ON MAR 1	215 000	1981
1982	28.4 AT 23:20 MST ON JUN 13	25.0 ON JUN 18	1.80 ON MAR 20	118 000	1982
1983	31.2 AT 21:48 MST ON MAY 29	24.2 ON MAY 29	1.85 ON MAR 25	119 000	1983
1984	23.2 AT 22:05 MST ON MAY 30	18.7 ON JUN 15	1.48 ON APR 2	88 900	1984
				151 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELBOW RIVER ABOVE SLENMORE DAM - STATION NO. 05BJ005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	18.0	10.3	7.44	6.73	4.24	4.42	2.91	---	1933
1934	3.65	3.11	3.43	4.74	10.0	14.2	8.69	4.76	4.32	4.07	3.70	2.40	5.69	1934
1935	2.32	2.68	2.36	5.61	9.32	17.0	9.51	6.10	4.45	4.10	3.48	2.47	5.98	1935
1936	1.89	1.80	2.71	5.62	8.11	13.1	4.16	3.62	3.68	3.25	2.68	1.77	4.25	1936
1937	1.67	1.68	2.22	3.24	5.00	22.7	13.6	6.13	6.34	7.01	5.80	3.41	6.60	1937
1938	3.24	2.48	3.38	5.10	20.0	25.5	22.6	8.72	6.37	5.64	4.74	2.78	9.27	1938
1939	3.04	2.24	3.40	4.15	9.21	32.2	14.3	8.01	6.22	5.58	5.05	3.63	7.77	1939
1940	2.44	2.95	3.08	9.45	14.3	11.1	8.20	6.80	15.7	7.75	4.83	3.71	7.35	1940
1941	2.74	2.74	3.82	3.84	4.47	14.8	5.46	5.85	9.16	6.87	4.67	3.10	5.83	1941
1942	2.75	2.47	2.98	3.94	20.8	41.4	31.8	20.3	16.7	12.8	8.75	4.72	15.0	1942
1943	3.01	4.90	5.30	15.2	11.0	20.7	16.7	8.25	5.42	5.04	4.18	3.22	8.75	1943
1944	2.48	2.83	2.77	4.24	5.37	15.0	9.51	10.8	8.71	5.01	3.91	2.88	5.93	1944
1945	2.57	2.38	3.03	3.79	20.7	42.8	23.3	10.8	9.92	10.7	6.58	4.46	11.8	1945
1946	3.91	3.48	5.67	8.32	11.1	25.0	13.1	10.7	14.1	8.41	5.82	4.78	8.39	1946
1947	3.88	3.48	6.03	10.8	24.7	30.4	15.5	11.3	12.2	10.5	7.78	5.52	12.1	1947
1948	4.33	3.03	3.77	13.3	44.3	38.4	19.3	18.4	7.78	5.89	4.72	2.38	13.8	1948
1949	3.40	3.20	3.83	9.68	9.87	12.4	8.88	4.78	4.70	4.88	3.83	2.88	5.81	1949
1950	2.80	2.82	2.73	8.24	9.85	22.2	16.8	11.2	6.85	4.75	3.48	3.22	7.87	1950
1951	2.30	2.73	3.45	8.13	27.8	43.5	43.1	28.3	35.7	19.8	12.1	5.61	18.1	1951
1952	5.09	5.03	5.27	23.5	19.5	32.8	26.8	17.3	11.8	8.80	6.71	3.91	13.8	1952
1953	3.80	3.94	4.81	9.88	24.8	84.1	27.6	11.8	7.88	6.23	4.79	4.08	14.4	1953
1954	3.04	4.17	3.10	8.08	23.3	31.8	20.8	19.0	13.7	11.8	8.38	5.85	12.8	1954
1955	3.85	3.81	3.84	8.21	25.4	26.7	22.5	8.32	6.87	5.44	3.86	3.70	10.2	1955
1956	3.47	2.78	3.88	5.47	16.4	16.6	19.8	8.60	6.85	5.00	3.95	3.05	8.17	1956
1957	2.60	2.75	3.88	6.41	20.2	19.9	8.90	8.20	6.22	5.13	3.71	3.70	7.71	1957
1958	3.17	2.72	3.00	13.2	24.2	23.3	32.0	13.0	8.88	5.80	4.50	3.71	11.5	1958
1959	2.60	3.09	3.47	8.02	12.6	24.8	14.3	7.83	8.24	5.88	5.18	3.94	8.12	1959
1960	2.78	3.58	6.11	8.13	12.7	20.0	11.9	7.48	4.81	4.32	3.45	2.88	7.09	1960
1961	2.52	2.43	3.22	3.73	18.9	21.2	11.6	11.0	8.74	10.8	6.38	3.34	8.52	1961
1962	2.87	3.92	3.85	8.86	12.6	19.1	8.38	5.30	8.36	4.58	3.85	2.50	6.92	1962
1963	2.30	3.84	3.42	3.88	7.88	30.8	25.6	7.85	8.70	5.28	4.29	3.22	8.68	1963
1964	2.70	3.09	2.42	4.41	18.7	36.3	14.2	8.88	8.12	8.19	4.49	2.98	9.02	1964
1965	3.17	3.38	3.88	10.8	8.88	34.8	31.6	18.6	17.8	14.2	8.82	6.18	13.3	1965
1966	3.83	4.11	5.85	8.80	18.8	23.0	15.4	8.87	8.21	5.80	4.41	3.11	8.84	1966
1967	2.88	2.82	2.88	7.20	24.1	48.8	18.8	7.87	4.88	4.48	3.83	2.88	10.7	1967
1968	2.88	2.84	3.80	3.88	10.1	26.8	14.8	10.8	8.24	10.3	4.80	2.85	8.81	1968
1969	3.24	3.41	4.08	13.3	24.1	37.2	26.3	7.88	8.11	8.08	4.81	3.10	12.4	1969
1970	2.80	2.83	3.88	4.88	18.8	33.0	12.8	8.88	8.08	4.30	3.28	3.01	8.03	1970
1971	2.80	2.88	2.84	11.0	18.8	30.0	8.84	8.87	8.01	4.88	3.88	2.29	7.86	1971
1972	2.81	2.74	8.81	8.88	18.4	28.8	17.0	8.74	7.10	8.32	4.12	3.11	9.18	1972
1973	3.26	3.18	8.41	8.47	17.8	26.8	10.3	8.23	7.40	8.10	3.84	3.37	8.28	1973
1974	2.38	2.82	2.84	8.88	23.8	37.0	14.8	10.8	7.37	4.87	3.87	2.87	10.2	1974
1975	2.88	3.23	3.31	8.75	8.83	22.8	13.8	7.08	8.87	4.87	3.31	2.88	7.08	1975
1976	2.21	2.77	3.18	8.88	12.8	11.0	8.84	18.4	7.87	8.04	4.24	3.73	7.22	1976
1977	3.03	3.48	3.31	4.82	8.15	8.88	8.32	7.82	8.28	8.81	3.80	2.74	8.26	1977
MEAN	2.88	3.08	3.78	7.33	18.1	26.7	18.8	8.80	8.40	8.77	4.87	3.42	8.21	MEAN

LOCATION - LAT 51 00 00 N
LONG 114 08 00 W

DRAINAGE AREA, 1 220 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
CITY OF CALGARY WATER WORKS DEPARTMENT

ELBOW RIVER ABOVE GLENMORE DAM - STATION NO. 05BJ005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	24.4 ON JUN 10	0.453 ON DEC 28	177 000	1934
1935	---	29.2 ON JUN 18	0.821 ON JAN 1	189 000	1935
1936	---	33.3 ON JUN 2	0.793 ON DEC 8	134 000	1936
1937	---	53.2 ON JUN 14	0.834 ON FEB 13	214 000	1937
1938	---	60.3 ON JUL 3	0.623 ON DEC 28	293 000	1938
1939	---	50.6 ON JUN 17	1.19 ON DEC 26	248 000	1939
1940	---	36.2 ON SEP 6	1.02 ON JAN 17	233 000	1940
1941	---	39.1 ON JUN 3	0.850 ON JAN 17	178 000	1941
1942	---	127 ON MAY 11	0.538 ON JAN 8	472 000	1942
1943	---	31.1 ON APR 4	0.483 ON JAN 18	278 000	1943
1944	---	23.8 ON JUN 13	0.340 ON JAN 12	188 000	1944
1945	---	74.8 ON JUN 1	0.821 ON JAN 4	372 000	1945
1946	---	50.7 ON JUN 7	1.88 ON JAN 27	286 000	1946
1947	---	88.2 ON MAY 11	1.22 ON FEB 3	380 000	1947
1948	---	127 ON MAY 23	0.850 ON DEC 15	435 000	1948
1949	---	19.7 ON MAY 22	1.10 ON DEC 20	177 000	1949
1950	---	35.1 ON JUN 18	1.53 ON NOV 14	242 000	1950
1951	---	137 ON AUG 31	1.42 ON JAN 5	803 000	1951
1952	---	79.0 ON JUN 23	2.88 ON DEC 28	439 000	1952
1953	---	132 ON JUN 4	1.59 ON JAN 8	455 000	1953
1954	---	48.1 ON AUG 25	1.05 ON JAN 18	397 000	1954
1955	---	45.8 ON MAY 20	1.70 ON MAR 25	322 000	1955
1956	---	37.4 ON JUL 4	0.198 ON DEC 5 *	258 000	1956
1957	---	30.3 ON JUN 8	0.834 ON JAN 9	243 000	1957
1958	---	54.8 ON JUL 14	1.27 ON DEC 7	383 000	1958
1959	---	48.3 ON JUN 27	0.765 ON JAN 4	258 000	1959
1960	---	30.0 ON JUN 4	1.13 ON DEC 20	224 000	1960
1961	---	51.0 ON MAY 27	0.793 ON FEB 16	289 000	1961
1962	---	27.8 ON JUN 17	0.883 ON DEC 31	218 000	1962
1963	---	124 ON JUN 30	1.02 ON DEC 21	273 000	1963
1964	---	62.9 ON JUN 9	1.27 ON JAN 12	265 000	1964
1965	---	104 ON JUN 18	2.01 ON DEC 29	420 000	1965
1966	---	36.5 ON JUL 3	1.30 ON JAN 7	272 000	1966
1967	---	198 ON MAY 31 *	1.13 ON DEC 22	336 000	1967
1968	---	51.3 ON JUN 8	1.05 ON JAN 9	268 000	1968
1969	---	126 ON JUN 30	1.44 ON DEC 25	391 000	1969
1970	---	57.1 ON JUN 14	0.878 ON JAN 7	253 000	1970
1971	---	85.2 ON JUN 8	0.883 ON DEC 12	251 000	1971
1972	---	41.9 ON JUN 1	1.84 ON DEC 8	290 000	1972
1973	---	45.3 ON MAY 27	2.12 ON DEC 15	251 000	1973
1974	---	82.0 ON JUN 18	1.13 ON JAN 9	321 000	1974
1975	---	48.0 ON JUN 21	0.765 ON JAN 11	222 000	1975
1976	---	37.8 ON AUG 8	0.821 ON MAR 4	228 000	1976
1977	---	16.3 ON AUG 15	1.42 ON DEC 10	188 000	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		291 000	MEAN

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	8.72	13.8	11.1	---	---	---	---	---	---	1935
1936	---	---	---	---	---	5.61	2.32	---	---	---	---	---	---	1936
1937	---	---	---	---	4.52	20.5	12.9	5.02	---	---	---	---	---	1937
1938	---	---	---	---	21.9	27.0	27.3	8.47	---	---	---	---	---	1938
1939	---	---	---	---	---	35.4	15.0	3.48	---	---	---	---	---	1939
1940	---	---	---	---	9.88	10.3	7.42	4.28	---	---	---	---	---	1940
1941	---	---	---	---	---	17.2	3.88	---	---	---	---	---	---	1941
1942	---	---	---	---	37.2	41.4	35.0	---	---	---	---	---	---	1942
1943	---	---	---	---	13.9	31.2	31.2	---	---	---	---	---	---	1943
1944	---	---	---	---	---	13.8	---	---	---	---	---	---	---	1944
1945	---	---	---	---	20.5	48.1	28.4	---	---	---	---	---	---	1945
1946	---	---	---	---	10.7	22.7	12.2	---	---	---	---	---	---	1946
1947	---	---	---	---	22.8	30.5	18.1	---	---	---	---	---	---	1947
1948	---	---	---	---	38.6	37.8	---	---	---	---	---	---	---	1948
1949	---	---	---	---	8.12	11.8	8.17	5.78	5.68	5.18	---	---	---	1949
1950	---	---	---	3.78	8.00	21.8	15.4	8.57	5.77	4.79	---	---	---	1950
1951	---	---	---	4.85	25.0	39.5	41.3	20.3	29.5	14.2	---	---	---	1951
1952	---	---	5.13	8.34	18.6	28.5	20.4	15.4	8.84	8.97	---	---	---	1952
1953	---	---	2.94	4.88	20.3	62.5	24.8	11.0	7.88	8.14	---	---	---	1953
1954	---	---	2.89	3.58	18.2	24.8	17.9	15.8	12.4	11.3	---	---	---	1954
1955	---	---	2.90	5.41	14.8	22.8	18.0	8.87	8.13	8.44	---	---	---	1955
1956	---	---	2.83	4.58	13.7	16.0	16.0	7.83	8.49	8.24	---	---	---	1956
1957	---	---	2.88	4.18	16.6	16.9	8.88	8.52	8.78	8.24	---	---	---	1957
1958	---	---	2.85	4.33	20.6	21.8	28.1	11.4	8.11	8.94	---	---	---	1958
1959	---	---	2.36	4.47	11.0	21.1	12.3	7.70	8.08	8.85	---	---	---	1959
1960	---	---	3.77	8.01	11.3	17.4	11.2	8.24	8.28	8.81	---	---	---	1960
1961	---	---	2.84	3.44	18.2	20.8	11.2	10.0	7.35	8.88	---	---	---	1961
1962	---	---	3.82	7.73	12.2	17.8	8.38	8.28	8.72	8.08	---	---	---	1962
1963	---	---	3.28	3.84	7.88	30.5 R	18.7 R	8.35	8.88	8.81	---	---	---	1963
1964	---	---	3.85	4.38	14.7	34.8	13.5	7.18	8.72	8.28	---	---	---	1964
1965	---	---	1.83	8.13	7.45	32.8 R	21.7	18.4	13.8	13.0	---	---	---	1965
1966	---	---	4.05	4.88	14.1	21.8	14.0	10.1	7.38	8.28	---	---	---	1966
1967	---	---	2.58	3.88	24.4 R	48.1 R	18.6	8.82	8.44	8.38	---	---	---	1967
1968	---	---	3.20	3.70	8.83	24.1	12.6	8.87	8.58	8.75	---	---	---	1968
1969	---	---	3.04	8.12	21.2	33.1 R	28.1 R	7.87	8.88	8.88	---	---	---	1969
1970	---	---	3.18	3.78	12.8	30.6 R	11.8	8.75	8.88	4.78	---	---	---	1970
1971	---	---	2.88	8.88	17.1 R	28.1 R	11.3	8.88	8.48	8.08	4.34	3.17	---	1971
1972	2.77	2.83	4.07	8.08	18.2 R	30.8 R	18.7	10.4	7.75	8.21	---	---	---	1972
1973	---	---	3.38	4.01	18.8 R	25.7 R	12.3	7.48	8.18	8.28	---	---	---	1973
1974	---	---	3.33	8.18	20.3	38.7	14.3	10.7	8.74	8.37	---	---	---	1974
1975	---	---	3.10	3.88	8.32	20.4	15.1	8.45	8.83	4.88	---	---	---	1975
1976	---	---	2.48	4.14	11.8	11.3	10.3	15.0	8.88	8.88	---	---	---	1976
1977	---	---	2.78	3.42	7.88	8.83	8.83	8.02	8.78	8.83	4.23	3.37	---	1977
1978	2.48	2.24	3.30	4.88	13.8	23.4	15.8	8.48	8.18	8.82	4.88	3.02	8.18	1978
1979	2.17	2.87	3.38	4.88	13.3	13.1	8.08	8.84	4.80	3.82	3.14	3.10	8.70	1979
1980	1.88	2.01	2.18	8.83	13.7	28.8	8.70	8.81	7.74	8.38	4.80	4.88	7.87	1980
1981	3.88	2.44	2.80	3.04	30.0	30.5	20.8	13.1	8.88	8.88	4.83	3.38	10.8	1981
1982	3.23	3.07	2.85	3.60	8.24	21.3	11.0	8.80	8.18	8.48	3.82	3.01	8.21	1982
1983	2.88	2.82	3.02	4.80	13.8	14.1	12.3	8.87	8.12	4.40	3.34	2.38	8.32	1983
1984	2.24	2.33	2.81	3.34	4.88	14.8	7.82	8.38	4.82	4.78	3.33	2.88	4.88	1984
MEAN	2.87	2.81	3.08	4.83	15.8 R	25.2 R	15.8 R	9.10	7.82	8.38	4.01	3.18	7.12	MEAN

LOCATION - LAT 50 58 53 N DRAINAGE AREA, 791 km²
LONG 114 34 10 W NATURAL FLOW

R - REVISED SINCE JAN 1980

ELBOW RIVER AT BRAGG CREEK - STATION NO. 05BJ004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	23.8 ON JUN 17	---	---	1935
1936	---	27.5 ON JUN 1	---	---	1936
1937	---	84.8 ON JUN 13	---	---	1937
1938	---	77.9 ON JUL 3	---	---	1938
1939	---	74.8 ON JUN 22	---	---	1939
1940	---	21.2 ON MAY 25	---	---	1940
1941	---	44.5 ON JUN 2	---	---	1941
1942	---	155 ON MAY 11	---	---	1942
1943	---	44.2 ON JUL 3	---	---	1943
1944	---	22.8 ON JUN 13	---	---	1944
1945	---	107 ON MAY 26	---	---	1945
1946	---	42.5 ON MAY 29	---	---	1946
1947	---	80.5 ON MAY 10	---	---	1947
1948	---	183 E ON MAY 23	---	---	1948
1949	---	17.8 ON MAY 22	---	---	1949
1950	58.0 ON JUN 15	44.2 ON JUN 15	---	---	1950
1951	110 AT 18:00 MST ON AUG 30	82.7 ON AUG 30	---	---	1951
1952	71.4 AT 14:30 MST ON JUN 12	59.7 ON JUN 23	---	---	1952
1953	181 AT 03:00 MST ON JUN 13	118 ON JUN 13	---	---	1953
1954	43.8 AT 05:00 MST ON AUG 25	39.4 ON AUG 25	---	---	1954
1955	47.6 AT 23:00 MST ON MAY 19	37.1 ON JUN 12	---	---	1955
1956	35.4 AT 03:00 MST ON MAY 21	30.9 ON MAY 21	---	---	1956
1957	30.0 AT 12:00 MST ON JUN 8	28.8 ON JUN 8	---	---	1957
1958	40.2 AT 05:00 MST ON JUL 13	37.9 ON JUL 13	---	---	1958
1959	45.8 AT 05:30 MST ON JUN 27	39.8 ON JUN 27	---	---	1959
1960	29.4 AT 14:00 MST ON JUN 3	28.8 ON JUN 3	---	---	1960
1961	57.2R AT 10:00 MST ON MAY 27	51.0 ON MAY 27	---	---	1961
1962	28.8 AT 03:00 MST ON JUN 16	26.1 ON JUN 16	---	---	1962
1963	266 R AT 23:00 MST ON JUN 28	141 R ON JUN 30	---	---	1963
1964	97.4 AT 05:00 MST ON JUN 8	88.6 ON JUN 8	---	---	1964
1965	184 R AT 06:00 MST ON JUN 16	127 R ON JUN 16	---	---	1965
1966	32.3R AT 02:00 MST ON JUN 6	30.8 ON JUN 6	---	---	1966
1967	283 R AT 01:30 MST ON MAY 31 *	198 R ON MAY 31 *	---	---	1967
1968	50.7 AT 00:35 MST ON JUN 10	43.8 ON JUN 8	---	---	1968
1969	159 R AT 10:30 MST ON JUN 29	139 R ON JUN 29	---	---	1969
1970	112 R AT 07:10 MST ON JUN 14	92.0R ON JUN 14	---	---	1970
1971	116 R AT 09:05 MST ON JUN 6	89.2R ON JUN 6	---	---	1971
1972	86.1R AT 04:15 MST ON JUN 1	49.6R ON JUN 1	---	---	1972
1973	47.0R AT 08:10 MST ON JUN 7	43.3R ON MAY 26	---	---	1973
1974	78.4 AT 03:50 MST ON JUN 17	66.0 ON JUN 17	---	---	1974
1975	53.6 AT 04:30 MST ON JUN 20	49.3 ON JUN 20	---	---	1975
1976	42.6 AT 06:00 MST ON AUG 6	36.0 ON AUG 6	---	---	1976
1977	17.1 AT 14:00 MST ON AUG 13	15.8 ON AUG 14	---	---	1977
1978	48.8 AT 02:30 MST ON JUN 6	44.6 ON JUN 6	1.70B ON MAR 6	267 000	1978
1979	38.4 AT 02:50 MST ON MAY 27	32.1 ON MAY 27	1.86B ON JAN 1	180 000	1979
1980	69.3 ON JUN 4	51.7A ON JUN 3	1.40B ON JAN 10 *	252 000	1980
1981	123 AT 04:30 MST ON MAY 26	98.2 ON MAY 26	1.61B ON FEB 6	334 000	1981
1982	30.7 AT 02:22 MST ON JUN 14	26.9 ON JUN 15	2.35B ON MAR 30	188 000	1982
1983	31.5 AT 01:47 MST ON APR 25	26.2 ON MAY 30	2.32B ON DEC 1	189 000	1983
1984	21.1 AT 03:09 MST ON JUN 12	19.4 ON JUN 12	1.88B ON JAN 19	154 000	1984
				235 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

ELBOW RIVER AT CLEM GARDINER BRIDGE - STATION NO. 05BJ011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	18.0	18.0	9.27	5.73	---	---	---	---	---	1979
MEAN	---	---	---	---	18.0	18.0	9.27	5.73	---	---	---	---	---	MEAN

LOCATION - LAT 51 02 30 N, LONG 114 28 00 W
DRAINAGE AREA, 871 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ELBOW RIVER AT CLEM GARDINER BRIDGE - STATION NO. 05BJ011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	40.8 AT 07:30 MST ON MAY 27 *	38.3 ON MAY 27 *	---	---	1979
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ELBOW RIVER AT FULLERTON'S RANCH - STATION NO. 05BJ003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	---	---	7.98	7.23	3.42	---	1914
1915	3.10	2.92	3.85	4.01	30.8	---	---	18.8	14.1	12.3	8.10	5.24	---	1915
1916	2.39	2.86	3.89	7.81	---	---	---	---	---	13.3	8.83	5.05	---	1916
1917	5.08	4.42	4.61	5.88	27.8	41.8	18.7	9.27	7.88	6.13	5.34	3.77	11.8	1917
1918	3.28	2.78	4.38	5.06	9.09	18.4	11.0	10.2	6.25	---	---	---	---	1918
1919	---	---	---	---	---	---	---	---	---	6.04	4.72	3.80	---	1919
1920	3.23	3.05	3.02	5.19	25.1	22.4	30.2	9.84	5.98	4.90	4.21	3.12	10.1	1920
1921	2.83	2.82	2.83	5.25	20.8	16.8	10.8	7.50	5.00	4.84	4.00	3.74	7.37	1921
1922	2.68	2.27	2.46	4.88	17.0	17.1	10.8	7.33	5.22	4.21	3.62	2.16	6.62	1922
1923	2.14	1.83	---	---	---	---	---	---	---	---	---	---	---	1923
MEAN	3.08	2.88	3.58	5.41	21.8	23.7	18.5	10.2	7.75	7.48	5.76	3.75	8.97	MEAN

LOCATION - LAT 50 58 43 N DRAINAGE AREA, 742 km²
LONG 114 34 36 W NATURAL FLOW

ELBOW RIVER AT FULLERTON'S RANCH - STATION NO. 05BJ003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	---	---	---	1914
1915	---	---	1.700 ON FEB 1	---	1915
1916	---	---	1.378 ON FEB 2 *	---	1916
1917	---	85.4 ON JUN 2 *	2.108 ON DEC 12	373 000	1917
1918	---	30.3 ON JUN 10	1.888 ON FEB 20	---	1918
1919	---	---	---	---	1919
1920	---	54.1 ON JUL 12	1.958 ON DEC 22	318 000	1920
1921	---	36.0 ON MAY 27	1.278 ON DEC 25	233 000	1921
1922	---	27.0 ON JUN 4	1.308 ON DEC 13	209 000	1922
1923	---	3.068 ON JAN 1	1.700 ON JAN 18	---	1923
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		283 000	MEAN

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	5.37	14.8	15.1	8.27	6.28	4.82	3.85	---	---	8.84	1978
1980	---	---	---	---	12.8	28.8	8.28	8.47	8.22	8.84	---	---	12.1	1980
1981	---	---	---	3.18	31.2	35.2	22.8	14.4	7.40	6.10	---	---	18.6	1981
1982	---	---	---	---	7.02	23.4	11.9	8.18	8.58	8.74	---	---	10.2	1982
1983	---	---	---	5.62	15.4	15.8	13.2	8.87	4.70	4.17	---	---	9.88	1983
1984	---	---	---	4.31	8.20	15.1	---	---	---	5.88	---	---	---	1984
MEAN	---	---	---	5.12	14.4	22.3	12.9	8.26	8.34	5.58	---	---	12.1	MEAN

LOCATION - LAT 50 59 40 N DRAINAGE AREA, 1 180 km² DATA CONTRIBUTED BY -
LONG 114 10 00 W NATURAL FLOW ALBERTA DEPARTMENT OF THE ENVIRONMENT

ELBOW RIVER AT SARCEE BRIDGE - STATION NO. 05BJ010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	41.3 AT 12:30 MST ON MAY 27	36.0 ON MAY 27	3.88 ON OCT 7	140 000	1978
1980	58.7 AT 10:30 MST ON JUN 4	52.8 ON JUN 4	5.88 ON AUG 1	183 000	1980
1981	121 AT 14:00 MST ON MAY 28 *	101 ON MAY 28 *	3.18 ON MAY 1 *	310 000	1981
1982	38.2 AT 21:20 MST ON JUN 16	32.3 ON JUN 16	4.30 ON MAY 10	183 000	1982
1983	---	28.1 ON MAY 30	3.78 ON OCT 28	187 000	1983
1984	21.8 AT 12:40 MST ON JUN 8	20.7 ON JUN 8	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		193 000	MEAN

ELBOW RIVER BELOW ELEMMORE DAM - STATION NO. 05BJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	84.2	18.8	9.42	7.95	8.83	---	---	---	1908
1909	---	---	---	---	27.4	39.0	26.3	12.2	7.23	8.55	---	---	---	1909
1910	---	---	---	2.88	8.73	13.2	7.99	8.14	11.9	8.26	5.82	3.37	---	1910
1911	1.78	2.72	3.98	8.87	11.5	25.9	17.8	27.8	19.8	10.4	6.01	3.82	11.8	1911
1912	3.01	3.41	3.88	7.44	13.1	26.6	45.0	15.7	11.4	8.42	4.24	3.33	12.2	1912
1913	2.82	3.88	3.03	11.5	15.2	19.7	13.5	15.8	9.08	7.01	5.82	3.81	9.31	1913
1914	3.25	3.10	3.20	7.21	11.2	19.6	12.8	7.21	8.83	8.52	4.82	3.42	7.81	1914
1915	3.84	3.87	4.44	8.18	34.0	80.3	84.7	25.8	18.5	15.8	8.48	5.25	20.1	1915
1916	3.04	4.88	7.81	12.6	18.8	78.7	38.3	28.4	26.5	14.8	8.88	5.08	21.0	1916
1917	8.03	4.88	4.98	8.47	38.5	84.8	18.6	8.88	7.08	8.87	8.27	3.38	13.8	1917
1918	3.48	3.08	8.78	8.18	10.1	18.6	8.58	8.28	7.15	8.48	4.80	3.85	7.38	1918
1919	3.04	2.85	3.18	8.81	14.0	12.0	8.81	18.1	8.07	4.88	3.84	3.42	8.80	1919
1920	3.28	3.21	3.27	7.72	23.4	22.6	28.8	8.00	4.85	3.87	3.84	2.73	9.78	1920
1921	2.87	2.88	2.82	8.88	18.8	18.7	18.1	7.18	8.03	4.78	3.08	2.33	7.21	1921
1922	2.81	2.22	2.41	8.38	18.4	18.4	8.27	5.77	4.22	3.84	3.12	1.88	8.18	1922
1923	1.72	1.42	2.23	3.88	8.78	81.7	35.1	18.7	8.45	8.10	4.88	3.87	18.4	1923
1924	2.73	3.31	3.37	7.40	14.3	26.8	17.7	25.1	8.28	8.87	4.88	3.40	10.3	1924
1925	3.50	3.22	4.77	10.1	13.8	27.5	11.5	11.1	8.81	13.2	8.81	4.72	10.0	1925
1926	3.85	3.63	3.82	7.71	8.87	22.3	14.6	7.38	27.7	18.4	7.50	5.25	11.4	1926
1927	4.04	3.47	4.18	8.48	17.2	42.5	25.1	20.8	27.7	17.8	8.31	4.14	15.3	1927
1928	8.24	5.01	10.7	8.86	13.4	80.8	25.1	11.0	8.15	8.48	4.82	3.48	12.8	1928
1929	2.13	2.15	3.80	7.24	20.8	88.7	8.88	8.88	8.25	4.82	4.03	3.45	10.4	1929
1930	3.10	3.85	3.40	8.82	13.0	21.4	13.3	8.82	8.88	8.48	4.24	3.84	7.71	1930
1931	2.88	3.01	3.25	4.82	8.15	11.2	8.37	4.33	4.17	3.33	2.10	1.88	4.42	1931
1932	2.21	1.83	2.13	4.13	14.2	88.2	11.4	8.30	8.04	8.04	---	---	---	1932
1933	---	---	---	12.2	21.8	18.1	---	---	---	3.70	3.84	3.08	---	1933
1934	3.15	3.23	3.27	3.88	8.20	12.3	7.15	3.88	3.25	3.28	3.17	3.15	4.81	1934
1935	2.18	2.88	2.84	2.80	8.78	13.7	8.87	7.27	3.48	2.85	2.87	2.84	5.01	1935
1936	3.05	1.80	2.38	3.10	8.38	10.2	3.87	1.85	3.28	2.80	1.88	1.82	3.38	1936
1937	1.72	2.08	2.83	2.84	2.11	17.8	12.7	7.28	8.14	8.22	8.18	3.48	8.77	1937
1938	3.01	3.14	3.20	3.18	21.7	21.8	20.8	7.84	8.42	4.88	3.88	3.08	8.48	1938
1939	3.84	3.10	3.24	3.33	3.83	31.8	8.84	4.84	3.87	8.88	8.23	3.28	8.74	1939
1940	3.86	3.07	3.18	8.07	13.8	8.87	8.85	4.85	12.9	8.43	4.07	3.30	8.43	1940
1941	3.28	3.34	3.48	3.80	3.48	10.1	8.51	2.73	8.28	8.88	3.88	3.30	4.70	1941
1942	2.88	2.81	1.80	3.28	30.7	38.2	28.2	20.0	17.4	11.8	4.88	3.88	13.8	1942
1943	3.30	4.18	3.84	18.2	8.48	18.8	18.0	8.88	3.70	3.81	3.38	3.83	7.88	1943
1944	3.84	1.88	2.33	3.70	3.18	12.0	8.88	8.81	8.32	3.83	3.84	3.40	8.81	1944
1945	1.83	2.15	2.43	2.88	18.7	41.1	20.7	8.82	8.83	8.88	8.08	4.08	10.8	1945
1946	3.88	3.37	3.88	8.48	10.7	22.1	12.3	8.15	18.1	4.82	4.81	3.88	8.21	1946
1947	3.77	3.88	4.78	8.73	27.1	28.8	14.1	10.1	11.2	8.87	8.77	4.83	11.0	1947
1948	3.88	3.78	3.88	12.7	43.8	34.8	17.8	18.7	8.84	4.87	3.88	3.08	12.8	1948
1949	2.28	3.27	2.80	4.33	8.17	8.72	8.48	3.82	3.02	3.70	3.70	2.14	4.28	1949
1950	1.30	2.20	2.08	3.87	8.28	18.1	14.8	8.88	4.77	3.82	3.80	2.48	8.33	1950
1951	2.12	1.10	2.11	4.08	28.8	44.2	40.0	28.1	28.8	17.1	10.8	4.81	17.8	1951
1952	3.78	4.14	4.18	23.8	18.7	31.8	24.8	18.8	10.4	8.80	8.80	3.78	12.8	1952
1953	2.83	3.82	3.88	7.47	24.8	83.8	24.8	8.88	8.17	4.88	3.88	3.80	13.2	1953
1954	3.03	3.71	2.88	3.28	24.7	27.8	18.0	17.7	13.2	11.2	4.84	8.81	11.4	1954
1955	3.80	3.83	3.81	7.88	24.8	23.0	20.7	8.18	3.80	3.87	3.12	3.21	8.13	1955
1956	3.88	3.38	2.78	4.20	13.8	18.3	17.8	7.08	8.88	3.71	3.72	2.21	8.83	1956
1957	1.88	3.80	3.82	3.87	17.2	17.8	8.01	4.38	4.40	4.08	4.81	4.01	8.32	1957
1958	2.87	2.78	2.88	11.8	20.8	21.2	28.4	11.2	8.48	4.80	4.28	3.88	10.1	1958
1959	1.88	2.20	3.08	4.18	8.34	22.8	11.0	8.28	8.03	4.88	4.88	3.85	8.88	1959
1960	1.48	2.38	4.08	8.18	10.8	15.8	8.47	8.70	3.10	2.88	2.44	1.78	8.43	1960
1961	1.88	1.88	2.22	3.04	18.8	14.8	8.08	8.15	8.28	8.82	8.88	3.11	8.78	1961
1962	2.08	3.38	2.80	7.88	8.82	18.1	8.78	8.44	7.48	2.48	1.78	1.04	8.48	1962
1963	0.811	0.888	0.324	1.08	4.48	28.2	24.4	8.88	3.83	3.17	2.82	1.83	8.20	1963
1964	1.84	1.70	1.83	3.38	18.7	32.7	8.72	4.28	2.41	8.82	3.83	1.18	8.88	1964
1965	2.84	1.88	2.28	8.88	8.31	31.8	28.8	18.8	18.8	12.4	8.88	4.71	11.2	1965
1966	2.40	3.08	3.28	4.87	14.8	18.7	10.8	8.80	4.82	2.81	2.81	2.87	8.38	1966
1967	0.888	1.81	1.87	8.38	21.2	48.3	10.2	3.88	1.27	1.88	2.78	1.84	8.88	1967
1968	1.40	1.28	2.34	1.88	7.28	20.4	8.88	8.43	8.48	8.48	3.82	1.88	8.88	1968
1969	1.48	1.72	0.717	11.4	21.4	32.7	28.8	4.80	1.83	2.38	2.33	2.28	8.42	1969
1970	0.840	1.41	0.882	2.88	12.7	28.1	8.12	1.87	0.880	2.14	1.48	0.884	4.88	1970
1971	1.11	0.838	0.483	7.88	12.2	28.3	3.80	1.21	0.772	1.83	2.43	1.10	4.80	1971
1972	0.888	0.888	3.80	2.38	12.1	24.4	11.8	8.12	4.42	2.88	2.88	0.744	8.82	1972
1973	1.81	0.880	1.11	8.28	13.7	28.7	8.81	1.88	4.18	2.38	0.838	0.881	4.88	1973
1974	0.841	0.788	0.733	2.88	22.8	38.8	7.18	8.13	4.88	2.88	1.34	0.888	8.78	1974
1975	0.888	0.428	0.428	0.882	8.88	17.3	7.81	2.77	0.878	1.88	1.41	0.788	3.34	1975
1976	0.834	0.848	0.818	0.818	8.87	8.43	4.78	13.3	8.47	2.18	1.31	0.888	3.78	1976
1977	0.428	0.428	0.482	0.847	2.82	4.34	2.38	2.88	4.17	2.74	1.37	1.13	1.88	1977
1978	0.887	0.887	0.883	2.38	12.8	21.8	18.3	8.84	4.82	3.34	1.88	1.85	8.88	1978
1979	1.11	1.18	1.31	2.38	13.8	8.27	3.78	1.87	1.88	2.12	1.83	1.88	3.38	1979
1980	0.843	0.832	1.82	1.88	18.1	24.8	4.13	4.82	4.88	3.48	2.18	1.12	4.88	1980
1981	1.20	1.13	1.11	1.18	28.8	38.1	18.7	8.78	3.41	2.48	1.78	2.88	8.84	1981
1982	---	---	---	---	2.88	21.8	7.18	1.28	1.42	1.87	1.32	1.81	---	1982
1983	1.28	1.13	1.11	1.33	11.8	18.2	8.87	1.88	1.47	1.27	1.27	1.14	3.84	1983
1984	1.18	0.778	1.18	1.33	1.28	8.82	3.81	1.37	1.48	1.88	1.88	1.88	2.17	1984
MEAN	2.37	2.48	2.88	8.82	14.7	28.8	18.1	8.18	7.74	8.78	3.84	2.84	8.27	MEAN

LOCATION - LAT 51 00 58 N
LONG 114 08 33 W

DRAINAGE AREA, 1 230 km²
REGULATED SINCE 1932

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	188 ON JUN 2	---	---	1908
1909	---	94.0 ON JUN 3	---	---	1909
1910	---	18.6 ON SEP 19	---	---	1910
1911	---	88.5 ON AUG 8	0.8788 ON DEC 28	382 000	1911
1912	---	122 ON JUN 16	0.863 ON JAN 4	387 000	1912
1913	---	38.8 ON AUG 10	1.78 ON MAR 23	294 000	1913
1914	---	28.9 ON JUN 18	2.12 B ON JAN 24	240 000	1914
1915	---	238 A ON JUN 28	1.84 B ON DEC 31	534 000	1915
1916	---	146 ON JUN 28	1.87 B ON JAN 1	884 000	1916
1917	---	147 ON JUN 3	2.32 B ON DEC 12	434 000	1917
1918	---	38.4 ON JUN 10	2.24 B ON MAR 8	233 000	1918
1919	---	72.6 ON AUG 8	2.10 B ON MAR 1	218 000	1919
1920	---	87.7 ON JUL 13	1.27 B ON DEC 23	368 000	1920
1921	---	37.4 ON MAY 26	0.7838 ON DEC 28	227 000	1921
1922	---	28.6 ON MAY 17	0.8108 ON DEC 15	195 000	1922
1923	---	331 ON JUN 1	1.08 B ON JAN 18	488 000	1923
1924	---	89.6 ON AUG 4	1.19 B ON DEC 16	326 000	1924
1925	---	88.5 ON JUN 12	2.46 B ON JAN 2	318 000	1925
1926	---	88.1 ON SEP 11	3.08 B ON DEC 16	358 000	1926
1927	---	83.3 ON JUN 10	2.55 B ON DEC 31	482 000	1927
1928	---	100 ON JUN 19	1.93 B ON DEC 4	406 000	1928
1929	---	382 ON JUN 3 *	1.00 B ON FEB 2	326 000	1929
1930	---	30.6 ON MAY 31	1.78 B ON JAN 17	243 000	1930
1931	---	22.8 ON APR 6	1.33 B ON DEC 19	138 000	1931
1932	---	311 ON JUN 3	1.08 B ON FEB 23	---	1932
1933	---	---	---	---	1933
1934	---	32.0 ON JUN 5	2.80 ON JUL 24	182 000	1934
1935	---	32.8 ON JUN 16	1.56 ON JAN 8	186 000	1935
1936	---	35.7 ON JUN 6	0.481 ON JUL 27	167 000	1936
1937	---	84.9 ON JUN 14	0.595 ON MAY 19	182 000	1937
1938	---	59.5 ON MAY 24	2.21 ON APR 21	267 000	1938
1939	---	104 ON JUN 17	1.76 ON SEP 6	213 000	1939
1940	---	40.5 ON APR 30	2.61 ON JAN 8	303 000	1940
1941	---	27.0 ON JUN 4	0.395 ON MAY 25	148 000	1941
1942	---	128 ON MAY 12	1.84 ON JAN 15	439 000	1942
1943	---	34.8 ON APR 25	2.82 ON NOV 22	248 000	1943
1944	---	28.5 ON JUN 14	1.73 ON FEB 6	158 000	1944
1945	---	87.7 ON MAY 28	1.81 ON MAR 14	333 000	1945
1946	---	84.1 ON SEP 29	1.87 ON FEB 14	259 000	1946
1947	---	78.3 ON MAY 11	3.46 ON JAN 26	347 000	1947
1948	---	154 ON MAY 24	1.93 ON DEC 24	404 000	1948
1949	---	32.6 ON MAY 22	0.638 ON AUG 21	135 000	1949
1950	---	33.1 ON JUN 16	0.680 ON NOV 22	200 000	1950
1951	---	152 ON AUG 31	0.785 ON JAN 27	584 000	1951
1952	---	80.4 ON APR 7	2.38 ON APR 2	404 000	1952
1953	---	124 ON JUN 4	1.90 ON JAN 19	416 000	1953
1954	---	59.7 ON MAY 22	0.878 ON OCT 5	380 000	1954
1955	---	46.7 ON MAY 20	1.64 ON SEP 5	284 000	1955
1956	---	37.1 ON JUL 5	0.706 ON OCT 21	219 000	1956
1957	---	38.5 ON JUN 10	0.340 ON APR 11	200 000	1957
1958	---	55.2 ON JUL 14	1.90 ON JAN 19	319 000	1958
1959	---	56.1 ON JUN 27	0.660 ON JAN 6	204 000	1959
1960	---	30.3 ON MAY 18	0.425 ON JAN 19	172 000	1960
1961	---	53.2 ON MAY 29	0.425 ON DEC 21	214 000	1961
1962	---	30.9 ON JUN 18	0.368 ON DEC 31	172 000	1962
1963	---	88.1 ON JUN 30	0.263 ON FEB 28 *	195 000	1963
1964	---	70.2 ON JUN 9	0.538 ON JAN 14	218 000	1964
1965	---	89.7 ON JUN 19	0.823 ON JAN 18	353 000	1965
1966	---	37.8 ON JUL 3	0.425 ON FEB 25	201 000	1966
1967	---	148 ON JUN 1	0.523 ON JAN 1	252 000	1967
1968	---	44.2 ON JUN 11	0.311 ON FEB 23	185 000	1968
1969	---	133 ON JUN 29	0.651 ON FEB 20	297 000	1969
1970	---	108 ON JUN 14	0.510 ON MAR 13	158 000	1970
1971	---	77.6 ON JUN 7	0.425 ON MAR 8	161 000	1971
1972	---	41.1 ON JUN 11	0.566 ON NOV 25	190 000	1972
1973	---	38.2 ON MAY 28	0.708 ON OCT 24	167 000	1973
1974	---	61.7 ON JUN 17	0.851 ON JAN 19	214 000	1974
1975	80.8 AT 14:30 MST ON JUN 20	43.3 ON JUN 20	0.425 ON JAN 14	105 000	1975
1976	42.6 AT 07:30 MST ON AUG 6	37.7 ON AUG 6	0.425 ON DEC 13	120 000	1976
1977	13.7 AT 07:00 MST ON MAY 26	13.6E ON AUG 23	0.348 ON AUG 11	62 700	1977
1978	47.0 AT 06:00 MST ON JUN 8	41.8 ON JUN 8	0.8558 ON MAR 9	185 000	1978
1979	31.8 AT 23:00 MST ON MAY 26	30.6 ON MAY 27	0.9828 ON DEC 30	107 000	1979
1980	101 AT 21:30 MST ON MAY 26 *	86.3 ON JUN 3	0.7888 ON DEC 14	154 000	1980
1981	86.8 AT 20:00 MST ON MAY 26	83.0 ON MAY 27	0.588 ON MAY 9	288 000	1981
1982	41.8 AT 13:37 MST ON JUN 16	37.1 ON JUN 16	---	---	1982
1983	23.4 AT 10:53 MST ON MAY 27	22.8 ON MAY 28	1.04 ON FEB 16	113 000	1983
1984	20.1 AT 17:51 MST ON JUN 8	19.7 ON JUN 10	0.518 ON FEB 23	88 000	1984
				281 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ELLS RIVER BELOW GARDINER LAKES - STATION NO. 07DA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	25.5	13.8	17.3	9.21	5.19	4.05	---	1975
1976	2.47	1.86	1.38	5.98	8.11	3.32	3.31	3.79	2.80	2.50	1.87	1.45	3.48	1976
1977	0.855	0.487	0.212	1.41	4.80	4.77	7.62	7.13	4.07	4.10	3.31	2.01	3.44	1977
1978	1.38	0.913	0.888	2.43	15.2	11.6	7.31	3.37	5.41	13.1	5.50	3.84	5.45	1978
1979	1.83	0.884	1.03	---	---	---	---	---	---	---	---	---	---	1979
MEAN	1.58	0.984	0.907	4.27	9.70	5.58	11.0	8.80	8.35	7.33	4.22	2.84	4.45	MEAN

LOCATION - LAT 57 32 30 N, LONG 112 33 40 W DRAINAGE AREA, 1 380 km² NATURAL FLOW

ELLS RIVER BELOW GARDINER LAKES - STATION NO. 07DA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	---	18.1 B ON APR 17	1.10 B ON DEC 31	109 000	1976
1977	9.32R AT 04:57 MST ON JUL 8	9.23 ON JUL 8	0.1588 ON MAR 15 *	108 000	1977
1978	21.8 AT 22:50 MST ON MAY 15 *	21.0 ON MAY 17 *	0.8088 ON FEB 6	283 000	1978
1979	---	2.698 ON JAN 1	0.8508 ON FEB 10	---	1979
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		140 000	MEAN

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	17.9	28.9	13.3	5.45	3.83	---	1975
1976	2.26	1.43	1.51	21.5	11.2	5.10	4.39	4.89	4.10	3.80	1.85	1.37	5.28	1976
1977	0.853	0.884	0.844	4.19	8.83	5.90	10.8	6.33	5.05	4.72	2.89	2.18	4.31	1977
1978	1.44	1.12	0.875	7.84	27.6	14.9	8.43	4.31	24.4	20.7	5.81	4.51	10.3	1978
1979	2.22	1.70	1.63	4.70	41.3	24.6	8.17	3.34	5.03	5.18	3.26	2.05	8.49	1979
1980	1.35	0.985	0.984	4.95	3.14	2.28	1.71	8.38	7.75	5.55	3.05	1.34	3.84	1980
1981	1.16	0.817	1.22	3.15	17.2	7.35	5.47	2.69	0.823	0.570	0.600	0.438	3.48	1981
1982	0.281	0.084	0.038	5.89	30.3	12.3	3.42	2.69	1.73	1.35	1.15	0.880	5.08	1982
1983	0.718	0.875	0.893	10.1	15.0	8.98	5.92	8.93	5.01	3.92	3.00	1.39	5.30	1983
1984	1.30	1.28	1.44	5.88	7.58	45.5	21.4	10.7	10.4	8.98	5.28	3.73	10.4	1984
MEAN	1.35	0.988	1.00	7.78	17.7	13.9	7.61	7.23	8.10	6.91	3.44	2.18	6.24	MEAN

LOCATION - LAT 57 18 04 N, LONG 111 42 51 W DRAINAGE AREA, 2 450 km² NATURAL FLOW

ELLS RIVER NEAR THE MOUTH - STATION NO. 07DA017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	---	49.89 ON APR 14	0.9068 ON DEC 31	187 000	1976
1977	14.8 AT 07:15 MST ON JUL 7	14.5 ON JUL 7	0.3868 ON MAR 26	138 000	1977
1978	92.7E AT 07:45 MST ON APR 28	45.8 ON SEP 25	0.8508 ON MAR 15	325 000	1978
1979	81.1 AT 05:45 MST ON MAY 11	56.8 ON MAY 13	1.60 B ON FEB 21	287 000	1979
1980	11.2 AT 00:15 MST ON AUG 18	11.0E ON APR 15	0.9808 ON FEB 15	112 000	1980
1981	---	21.5E ON MAY 4	0.3808 ON DEC 31	110 000	1981
1982	84.0E AT 05:35 MST ON APR 30	45.0E ON APR 28	0.0388 ON MAR 10 *	181 000	1982
1983	---	41.6 ON APR 24	0.8528 ON JAN 1	187 000	1983
1984	77.1 AT 19:35 MST ON JUN 3 *	78.2 ON JUN 3 *	1.20 B ON JAN 1	229 000	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		197 000	MEAN

ELTON DITCH FROM TODD CREEK - STATION NO. 05AA014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	0.028R	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	0.018	---	---	---	---	---	---	---	1915
1916	---	---	---	---	---	0.038	---	---	---	---	---	---	---	1916
MEAN	---	---	---	---	---	0.028R	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 40 00 N, LONG 114 08 00 W REGULATED

R - REVISED SINCE JAN 1980

ELTON DITCH FROM TODD CREEK - STATION NO. 05AA014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	---	0 ON JUN 1 *	---	1915
1916	---	---	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

EMBARRAS RIVER AT ROSS - STATION NO. 07AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	1.27	1.53	0.491	0.313	1.15	1.15	---	---	0.978	1984
MEAN	---	---	---	---	1.27	1.53	0.491	0.313	1.15	1.15	---	---	0.978	MEAN

LOCATION - LAT 53 13 15 N, LONG 117 59 04 W
DRAINAGE AREA, 124 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

EMBARRAS RIVER AT ROSS - STATION NO. 07AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	5.66 AT 21:45 MST ON MAY 16 *	3.96 ON MAY 17 *	0.236 ON AUG 21 *	13 500	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 500	MEAN

EMBARRAS RIVER NEAR WEALD - STATION NO. 07AF014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.982	5.99	4.80	---	---	---	1984
MEAN	---	---	---	---	---	---	---	0.982	5.99	4.80	---	---	---	MEAN

LOCATION - LAT 53 22 31 N, LONG 116 46 20 W
DRAINAGE AREA, 847 km^2
NATURAL FLOW

EMBARRAS RIVER NEAR WEALD - STATION NO. 07AF014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	20.1 AT 06:50 MST ON SEP 22 *	18.5 ON SEP 22 *	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ENGLISH DITCH NEAR THELMA - STATION NO. 11AB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.048	0.052	---	---	---	---	---	---	---	1918
MEAN	---	---	---	---	0.048	0.052	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 32 30 N, LONG 110 17 30 W
REGULATED

ERICKSON COULEE AT E.C. BENNETT'S FARM - STATION NO. 05AF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	0.060	0.118	0.108	0	0	0	0	0	---	---	---	1920
MEAN	---	---	0.060	0.118	0.108	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 31 43 N, LONG 110 52 10 W
DRAINAGE AREA, 382 km^2
REGULATED

ERICKSON COULEE AT E.C. BENNETT'S FARM - STATION NO. 05AF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	1.02 ON MAY 2 *	0B ON MAR 1 *	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ERITH RIVER BELOW HANLAN CREEK - STATION NO. 07AF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	5.74	4.35	0.982	0.713	5.62	3.78	---	---	3.51	1984
MEAN	---	---	---	---	5.74	4.35	0.982	0.713	5.62	3.78	---	---	3.51	MEAN

LOCATION - LAT 53 14 08 N
LONG 116 33 55 W
DRAINAGE AREA, 880 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ERITH RIVER BELOW HANLAN CREEK - STATION NO. 07AF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	35.9E AT 03:30 MST ON MAY 17 *	30.0A ON MAY 17 *	0.525A ON AUG 10 *	55 900	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		55 900	MEAN

ETZIKOM COULEE NEAR GODDARD - STATION NO. 05AF008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	0.147	0.001	0.015	0.080	0.138	0.108	0.188	---	---	0.092	1915
1916	---	---	---	0.557	0.101	0.451	0.404	0.313	1.31	0.888	---	---	0.599	1916
MEAN	---	---	---	0.352	0.051	0.233	0.247	0.221	0.709	0.511	---	---	0.331	MEAN

LOCATION - LAT 49 21 42 N
LONG 111 02 10 W
DRAINAGE AREA, 2 580 km^2
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

ETZIKOM COULEE NEAR GODDARD - STATION NO. 05AF008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	1.19 ON APR 4	0 ON APR 1 *	1 710	1915
1916	---	3.07 ON SEP 15 *	0.037 ON MAY 24	10 500	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		6 110	MEAN

ETZIKOM COULEE NEAR HEMISCAM - STATION NO. 05AF027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	0.838	0.348	0.023	0.005	---	---	---	---	---	---	---	1938
MEAN	---	---	0.838	0.348	0.023	0.005	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 26 30 N
LONG 111 15 37 W
DRAINAGE AREA, 3 040 km^2
REGULATED

ETZIKOM COULEE NEAR HEMISCAM - STATION NO. 05AF027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1938	---	1.70B ON MAR 8 *	0 ON MAY 14 *	---	1938
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ETZIKOM COULEE NEAR NEMISKAM - STATION NO. 05AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	0.050	0.001	0.195	0.545	---	---	---	1982
1983	---	---	---	0.211R	0.049R	0.008R	0.003R	0 R	0 R	0.038R	---	---	0.049R	1983
1984	---	---	---	0.055	0.027	0	0	0	0	0	---	---	0.015	1984
MEAN	---	---	---	0.155R	0.058R	0.004R	0.018R	0 R	0.065R	0.194R	---	---	0.034	MEAN

LOCATION - LAT 49 25 40 N, LONG 111 16 00 W
DRAINAGE AREA, 3 040 km²
REGULATED
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT
R - REVISED SINCE JAN 1980

ETZIKOM COULEE NEAR NEMISKAM - STATION NO. 05AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	0 ON AUG 12 *	---	1982
1983	---	0.368R ON APR 25 *	OR ON JUL 23	808R	1983
1984	---	0.207 ON APR 7	0 ON JUN 1	338	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		618R	MEAN

ETZIKOM COULEE NEAR STIRLING - STATION NO. 05AF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.015	0.005	0.005	0.037	0.052	0.010	---	---	---	1914
1915	---	---	---	0.489	0.248	0.708	0.744	0.424	---	---	---	---	---	1915
1916	---	---	---	0.152	0.388	0.763	0.788	0.488	1.48	0.472	---	---	0.648	1916
1917	---	---	---	3.38	0.848	0.888	0.080	0.155	0.128	0.001	---	---	0.782	1917
MEAN	---	---	---	1.33	0.388	0.536	0.400	0.251	0.587	0.161	---	---	0.889	MEAN

LOCATION - LAT 49 32 00 N, LONG 112 30 00 W
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1915

ETZIKOM COULEE NEAR STIRLING - STATION NO. 05AF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	---	0 ON MAY 1 *	---	1914
1915	---	1.99 ON JUN 27	---	---	1915
1916	---	5.82 ON SEP 5	0.040 ON APR 15	11 900	1916
1917	---	7.79B ON APR 7 *	0 ON JUL 24	13 900	1917
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 900	MEAN

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0.049	0.045	0.033	---	---	1967
1968	---	---	---	---	---	0.171	0.254	0.209	0.113	0.061	0.055	---	---	1968
1969	---	---	---	---	0.187	0.174	0.445	0.448	0.120	0.068	---	---	---	1969
1970	---	---	---	---	0.248	0.311	0.110	0.081	0.041	0.038	---	---	---	1970
1971	---	---	---	0.062	0.282	0.637	0.268	0.104	0.095	0.118	---	---	0.233	1971
1972	---	---	---	---	0.448	0.537	0.224	0.087	0.103	0.171	---	---	---	1972
1973	---	---	---	0.027	0.732	0.306	0.182	0.095	0.078	0.062	---	---	0.212	1973
1974	---	---	---	0.118	0.528	0.347	0.144	0.080	0.068	0.063	---	---	0.178	1974
1975	---	---	---	0.011	0.183	0.182	0.115	0.082	0.048	0.038	---	---	0.089	1975
1976	---	---	---	0.048	0.223	0.212	0.105	0.138	0.073	0.062	---	---	0.123	1976
1977	---	---	---	0.048	0.688	0.470	0.272	0.233	0.284	0.156	---	---	0.320	1977
1978	---	---	---	0.112	0.423	0.388	0.338	0.183	0.288	0.107	---	---	0.258	1978
1979	---	---	---	0.035	0.244	0.203	0.133	0.078	0.083	0.048	---	---	0.110	1979
1980	---	---	---	0.131	0.261	1.32	0.480	0.188	0.258	0.151	---	---	0.398	1980
1981	---	---	---	0.043	0.188	0.237	0.284	0.184	0.081	0.072	---	---	0.157	1981
1982	---	---	---	0.042	0.225	0.236	0.708	0.298	0.186	0.251	---	---	0.280	1982
1983	---	---	---	0.090	0.240	0.338	0.174	0.085	0.053	0.053	---	---	0.139	1983
1984	---	---	---	0.075	0.144	0.238	0.075	0.050	0.068	0.153	---	---	0.118	1984
MEAN	---	---	---	0.082	0.328	0.367	0.262	0.180	0.114	0.088	0.044	---	0.300	MEAN

LOCATION - LAT 53 08 10 N, LONG 117 13 55 W
DRAINAGE AREA, 17.1 km²
NATURAL FLOW

EUNICE CREEK NEAR HINTON - STATION NO. 07AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	1.04 AT 18:30 MST ON JUL 20	0.773 ON JUL 22	---	---	1968
1969	8.21 AT 17:47 MST ON AUG 5	2.88 ON AUG 5	---	---	1969
1970	2.99 AT 08:00 MST ON JUN 16	1.68 ON JUN 16	---	---	1970
1971	2.78 AT 23:30 MST ON JUN 8	2.35 ON JUN 8	0.0038 ON APR 11	4 310	1971
1972	2.83 AT 14:30 MST ON JUN 25	2.17 ON JUN 25	---	---	1972
1973	2.70 AT 19:30 MST ON MAY 15	2.05 ON MAY 15	0.0148 ON APR 1	3 830	1973
1974	1.08 AT 20:30 MST ON MAY 8	0.835 ON MAY 7	0.0348 ON APR 1	2 300	1974
1975	1.03 AT 19:20 MST ON MAY 8	0.490 ON MAY 8	0.0068 ON APR 1	1 880	1975
1976	0.823 AT 16:20 MST ON JUN 16	0.841 ON JUN 16	0.0068 ON APR 1	2 270	1976
1977	2.92 AT 17:30 MST ON MAY 29	1.84 ON MAY 29	0.0318 ON APR 1	5 820	1977
1978	2.75 AT 06:20 MST ON MAY 19	2.03 ON MAY 18	0.0108 ON APR 1	4 710	1978
1979	1.34 AT 09:10 MST ON JUN 20	0.780 ON JUN 20	0.0048 ON APR 1	2 040	1979
1980	8.04 AT 18:10 MST ON JUN 4 *	7.00 ON JUN 4 *	0.0158 ON APR 1	7 370	1980
1981	0.858 AT 07:10 MST ON JUL 30	0.755 ON JUL 30	0.0108 ON APR 1	2 810	1981
1982	3.88 AT 21:45 MST ON JUL 4	3.03 ON JUL 5	0.0028 ON APR 1 *	5 180	1982
1983	0.890 AT 08:30 MST ON JUN 24	0.706 ON JUN 24	0.030 ON APR 9	2 390	1983
1984	0.851 AT 20:10 MST ON JUN 8	0.736 ON JUN 8	0.0288 ON APR 14	2 130	1984
				3 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0	0	---	---	---	1975
1976	---	---	0	4.12	0.730	0.888	1.50	3.14	0.822	0.388	---	---	1.42	1976
1977	---	---	0.001	9.74	5.64	5.32	0.168	0.022	0.010	0.075	---	---	2.58	1977
1978	---	---	0.002	1.57	3.37	0.318	0.004	0	0.487	0.111	---	---	0.730	1978
1979	---	---	0	2.45	5.14	1.77	1.43	0.288	0.030	0.088	---	---	1.40	1979
1980	---	---	0.001	0.388	0.088	0.074	0.012	0.001	0	0.057	---	---	0.074	1980
1981	---	---	0.005	9.87	4.82	1.08	0.132	0	0	0.001	---	---	1.88	1981
1982	---	---	0	2.78	2.42	0.018	0	0.008	0	0	---	---	0.847	1982
1983	---	---	0	2.58	0.248	0.736	1.88	1.48	0.002	0.001	---	---	0.878	1983
1984	---	---	0.188	1.88	7.77	1.34	1.22	0	0.002	0.327	---	---	1.80	1984
MEAN	---	---	0.023	3.84	3.38	1.38	0.718	0.551	0.113	0.088	---	---	1.28	MEAN

LOCATION - LAT 56 27 00 N DRAINAGE AREA, 784 km^2
LONG 119 07 10 W NATURAL FLOW

EUREKA RIVER NEAR WORSLEY - STATION NO. 07FD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	0 ON AUG 18 *	---	1975
1976	16.2 AT 13:30 MST ON APR 12	15.5 ON APR 12	0B ON MAR 1	30 200	1976
1977	51.3A AT 23:50 MST ON APR 11	40.8 A ON APR 11	0B ON MAR 14	84 500	1977
1978	10.1 AT 23:30 MST ON MAY 23	9.57 ON MAY 24	0 ON JUL 22	15 500	1978
1979	24.3A AT 18:00 MST ON APR 28	22.4 A ON APR 28	0B ON MAR 1	29 800	1979
1980	---	0.8008 ON APR 5	0B ON MAR 1	1 570	1980
1981	54.3 AT 23:30 MST ON APR 25 *	49.8 A ON APR 25 *	0B ON MAR 1	42 200	1981
1982	16.7 AT 00:00 MST ON APR 24	12.7 ON APR 25	0B ON MAR 1	13 700	1982
1983	14.0 AT 18:00 MST ON APR 18	12.0 ON APR 18	0B ON MAR 1	18 600	1983
1984	43.7 AT 08:00 MST ON MAY 24	41.2 A ON MAY 24	0B ON MAR 1	33 800	1984
				28 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.274	0.580	0.588	0.500	0.832	0.880	0.383	0.247	0.821	1957
1958	0.103	0.081	0.310	0.444	0.108	0.725	0.787	0.475	0.445	0.483	0.083	0.081	0.501	1958
1959	0.018	0.013	0.327	0.308	0.215	0.853	0.947	0.823	0.201	0.283	0.242	0.258	0.488	1959
1960	0.118	0.038	0.811	0.334	0.217	0.887	1.25	0.700	0.805	0.881	0.288	0.223	0.887	1960
1961	0.120	0.102	0.128	0.089	0.480	1.12	1.44	0.918	0.782	0.735	0.274	0.075	0.815	1961
1962	0.087	0.103	0.384	0.320	0.268	1.40	1.31	0.880	0.772	0.533	0.171	0.086	0.857	1962
1963	0.053	0.034	0.118	0.062	0.515	1.10	0.851	0.842	0.759	0.706	0.184	0.022	0.748	1963
1964	0.047	0.038	0.047	0.374	0.357	0.909	1.13	1.10	0.719	0.425	0.170	0.258	0.773	1964
1965	0.170	0.231	0.137	0.725	0.238	0.854	0.501	1.08	0.838	0.735	0.378	0.348	0.670	1965
1966	0.070	0.001	0.626	0.308	0.172	0.849	1.28	1.18	0.773	0.706	0.228	0.186	0.823	1966
1967	0.108	0.258	0.877	0.578	1.01	0.243	0.918	1.03	0.818	0.817	0.132	0.041	0.808	1967
1968	0.011	0.019	0.198	0.184	0.276	0.850	1.38	1.38	0.928	0.581	0.385	0.216	0.887	1968
1969	0.062	0.001	2.84	0.583	0.263	1.20	1.08	1.07	1.01	1.03	---	---	0.938	1969
1970	---	---	0.183	0.285	0.472	1.31	1.33	1.37	1.14	0.889	---	---	1.05	1970
1971	---	---	---	---	0.300	0.942	1.75	1.49	1.13	0.597	---	---	1.04	1971
1972	---	---	---	---	0.272	1.04	1.48	1.35	0.843	0.485	---	---	0.925	1972
1973	---	---	---	---	0.380	1.80	1.75	1.91	1.08	0.881	---	---	1.23	1973
1974	---	---	---	---	0.283	1.24	2.24	1.78	0.880	0.847	---	---	1.17	1974
1975	---	---	---	---	0.566	0.501	1.44	1.75	1.05	0.578	---	---	0.884	1975
1976	---	---	---	---	0.523	1.76	2.35	1.69	1.32	1.04	---	---	1.46	1976
1977	---	---	---	---	0.982	---	---	2.15	1.80	0.814	---	---	---	1977
1978	---	---	---	---	0.198	0.343	1.96	1.79	0.902	0.884	---	---	1.02	1978
1979	---	---	---	---	0.120	1.31	2.05	1.86	1.08	0.873	---	---	1.16	1979
1980	---	---	---	---	1.16	1.19	1.96	1.84	1.13	0.510	---	---	1.32	1980
1981	---	---	---	---	0.529	1.38	1.71	1.81	1.85	0.924	---	---	1.35	1981
1982	---	---	---	---	0.416	1.31	1.86	1.83	1.18	0.780	---	---	1.23	1982
1983	---	---	---	---	0.275	1.93	2.43	2.07	1.88	1.02	---	---	1.60	1983
1984	---	---	---	---	0.587	1.81	1.87	1.90	0.870	0.247	---	---	1.15	1984
MEAN	0.078	0.075	0.489	0.353	0.408	1.05	1.45	1.37	0.971	0.883	0.239	0.156	0.879	MEAN

LOCATION - LAT 49 58 18 N
LONG 112 05 00 W

DRAINAGE AREA, 1 920 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1958, 1960 AND 1969

EXPANSE COULEE NEAR THE MOUTH - STATION NO. 05AG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	2.88 ON OCT 24 *	0.011 ON AUG 21	9 870	1957
1958	---	1.23 ON JUL 16	0.054 ON MAY 11	7 880	1958
1959	---	1.58 ON JUN 28	0.045 ON [illegible] 11	7 780	1959
1960	---	2.24 ON JUL 21	0.133 ON [illegible]	10 800	1960
1961	---	1.83 ON JUL 28	0.031 ON MAY [illegible]	14 500	1961
1962	---	2.04 ON JUN 14	0.054 ON MAY [illegible]	13 800	1962
1963	---	2.27 ON JUN 23	0.034 ON MAY [illegible]	11 900	1963
1964	---	1.38 ON JUL 7	0.040 ON MAY [illegible]	12 300	1964
1965	---	1.87 ON JUN 17	0.098 ON MAY 18	10 800	1965
1966	---	1.88 ON JUL 28	0.045 ON MAY 23	13 100	1966
1967	---	1.47 ON MAY 10	0.142 ON JUN 23	12 800	1967
1968	---	1.62 ON AUG 12	0.051 ON MAY 2	14 200	1968
1969	---	1.61 ON JUN 28	0.173 ON MAY 22	14 900	1969
1970	---	2.10 ON JUN 14	0.037 ON OCT 29	15 700	1970
1971	---	2.14 ON JUL 10	0.1138 ON OCT 30	15 500	1971
1972	---	2.24 ON JUL 24	0.144 ON MAY 15	14 700	1972
1973	---	2.15 ON AUG 13	0 E ON MAY 10 *	19 500	1973
1974	---	2.61 ON JUL 22	0.127 ON OCT 31	15 700	1974
1975	---	2.30 ON AUG 1	0.079 ON JUN 12	15 700	1975
1976	---	2.60 ON JUL 13	0.125 ON MAY 4	23 800	1976
1977	---	---	---	---	1977
1978	---	2.80 ON AUG 23	0.085 ON MAY 22	15 200	1978
1979	---	2.39A ON JUL 30	0.039E ON MAY 29	15 500	1979
1980	---	2.78 ON MAY 26	0.105 ON OCT 4	21 000	1980
1981	---	2.07 ON JUN 14	0.055 ON MAY 1	21 500	1981
1982	---	2.30 ON JUL 2	0.126 ON MAY 3	18 800	1982
1983	---	2.78 ON JUL 15	0.180 ON MAY 20	25 400	1983
1984	---	2.41 ON JUN 23	0.0798 ON OCT 30	18 200	1984
				15 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	5.49	5.12	3.57	2.94	3.34	2.03	---	---	---	1978
1979	---	---	---	---	---	2.08	1.38	1.10	0.881	---	---	---	---	1979
1980	---	---	---	---	2.77	5.42	1.92	1.64	1.57	1.17	---	---	---	1980
1981	---	---	---	1.45	10.5	8.07	11.8	6.95	2.21	---	---	---	---	1981
1982	---	---	---	---	---	---	6.84	2.12	1.60	1.51	---	---	---	1982
1983	---	---	---	---	4.72	2.73	---	---	0.783	0.629	---	---	---	1983
1984	---	---	---	---	---	3.40	0.772	0.384	0.588	0.885	---	---	---	1984
MEAN	---	---	---	1.45	5.87	4.30	4.35	2.66	1.58	1.24	---	---	---	MEAN

LOCATION - LAT 51 46 10 N
LONG 114 39 30 W

DRAINAGE AREA, 488 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

FALLENTIMBER CREEK NEAR SUNDRE - STATION NO. 05CA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	---	17.0A ON JUN 5	---	---	1980
1981	54.4 AT 08:30 MDT ON JUL 31 *	44.9 ON JUL 31 *	---	---	1981
1982	24.5 AT 22:21 MST ON JUL 4	18.3 ON JUL 5	---	---	1982
1983	41.7 AT 03:18 MST ON JUL 4	32.4 ON JUL 4	---	---	1983
1984	18.1 AT 15:44 MST ON JUN 9	16.0 ON JUN 9	---	---	1984
				---	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIDDLE RIVER ABOVE MORRIS CREEK - STATION NO. 07AA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	---	4.38	2.11	1.48	1.30	---	---	---	1987
1988	---	---	---	---	---	6.92	---	4.88	2.82	1.78	---	---	---	1988
MEAN	---	---	---	---	---	6.92	4.38	3.85	2.15	1.53	---	---	---	MEAN

LOCATION - LAT 53 10 40 N
LONG 117 49 53 W
DRAINAGE AREA, 203 km^2
NATURAL FLOW

FIDDLE RIVER AT HIGHWAY NO. 16 - STATION NO. 07AA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	5.87	9.34	6.97	4.08	3.93	1.88	---	---	---	1982
1983	---	---	---	---	4.88	8.01	5.85	2.79	2.05	0.904	---	---	---	1983
1984	---	---	0.805	0.450	3.20	12.9	6.47	2.88	0.50	6.91	---	---	---	1984
1985	---	---	1.01	1.24	8.70	16.0	12.3	2.83	6.57	3.95	---	---	---	1985
MEAN	---	---	0.808	0.845	5.87	11.8	8.10	3.10	6.04	3.38	---	---	---	MEAN

LOCATION - LAT 53 12 35 N
LONG 117 50 50 W
DRAINAGE AREA, 238 km^2
NATURAL FLOW

FIDDLE RIVER AT HIGHWAY NO. 16 - STATION NO. 07AA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	14.3 ON MAY 27	08 ON MAR 16 *	---	1982
1983	---	22.1 ON JUL 14	---	---	1983
1984	---	36.0 ON JUN 8 *	---	---	1984
1985	---	28.2 ON JUL 12	---	---	1985
				---	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	---	8.87	8.13	---	1971
1972	7.43	7.08	7.73	---	---	33.3	33.8	17.3	16.4	25.8	16.3	11.0	---	1972
1973	10.3	9.88	9.17	---	---	36.5	36.4	87.0	29.3	43.0	23.4	13.5	---	1973
1974	10.8	10.0	10.3	---	---	53.8	41.1	35.7	25.0	26.7	20.5	14.8	---	1974
1975	11.1	9.87	9.41	23.1	44.4	48.3	58.9	47.3	64.8	53.7	25.8	12.8	36.1	1975
1976	11.2	10.0	9.17	42.4	30.9	26.8	---	18.8	31.8	31.7	13.8	10.8	---	1976
1977	9.32	10.2	10.9	37.3	38.5	33.5	36.5	20.8	22.2	23.8	12.8	10.1	32.0	1977
1978	8.88	7.23	8.28	33.4	88.9	38.2	17.9	35.5	69.7	88.0	24.5	14.5	30.1	1978
1979	11.3	8.44	9.70	13.1	113	44.1	22.1	23.3	25.2	26.8	15.5	13.0	27.4	1979
1980	8.50	7.34	7.88	26.8	18.0	18.0	15.3	24.2	34.8	28.8	11.3	9.18	17.8	1980
1981	8.72	8.72	11.1	15.0	24.2	24.8	36.5	12.3	8.87	10.2	11.0	9.20	15.1	1981
1982	6.86	6.32	5.87	15.1	88.1	24.2	17.3	18.3	17.8	16.2	13.9	9.48	16.8	1982
1983	9.13	9.14	9.48	26.8	30.8	33.1	13.9	13.8	13.4	14.8	13.7	8.20	16.4	1983
1984	7.21	7.00	7.38	27.4	18.0	30.1	26.8	38.3	32.8	34.9	20.2	12.1	21.7	1984
MEAN	9.37	8.88	8.82	25.2	44.2	32.3	31.3	30.9	30.1	30.1	16.8	11.1	23.4	MEAN

LOCATION - LAT 57 38 30 N
LONG 111 10 30 W
DRAINAGE AREA, 8 880 km^2
NATURAL FLOW

FIREBAG RIVER NEAR THE MOUTH - STATION NO. 07DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	---	---	7.088 ON FEB 1	---	1972
1973	---	---	---	---	1973
1974	---	---	8.888 ON JAN 31	---	1974
1975	99.4 AT 18:00 MST ON SEP 1	88.5 ON SEP 1	9.159 ON MAR 12	1 080 000	1975
1976	---	80.9E ON APR 19	8.508 ON MAR 8	---	1976
1977	---	73.9B ON APR 19	8.358 ON JAN 3	885 000	1977
1978	84.8 AT 04:20 MST ON SEP 13	84.3 ON SEP 12	6.948 ON FEB 10	948 000	1978
1979	204 AT 12:15 MST ON MAY 15 *	201 ON MAY 15 *	7.508 ON FEB 17	885 000	1979
1980	81.8B AT 07:30 MST ON APR 20	45.8B ON APR 21	7.308 ON JAN 31	552 000	1980
1981	87.8 AT 00:05 MST ON JUL 15	87.8A ON JUL 15	4.24 ON OCT 28 *	475 000	1981
1982	---	89.0E ON MAY 8	6.44B ON MAR 25	532 000	1982
1983	84.8 AT 09:20 MST ON APR 28	84.1A ON APR 28	7.15B ON DEC 28	485 000	1983
1984	---	80.0E ON OCT 22	7.00B ON JAN 31	885 000	1984
				708 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FISH CREEK ABOVE LITTLE FISH LAKE - STATION NO. 05CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	0.001	0	---	---	---	1984
MEAN	---	---	---	---	---	---	---	---	0.001	0	---	---	---	MEAN

LOCATION - LAT 51 23 15 N, LONG 112 12 17 W
DRAINAGE AREA, 121 km^2
NATURAL FLOW

FISH CREEK ABOVE LITTLE FISH LAKE - STATION NO. 05CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	0 ON AUG 21 *	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FISH CREEK NEAR HINTON - STATION NO. 07AD005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.125	0.118	0.117	0.210	---	---	---	1972
1973	---	---	---	---	0.474	0.212	0.078	0.123	0.080	---	---	---	---	1973
1974	---	---	---	0.234	0.382	0.089	0.183	0.080	---	---	---	---	---	1974
MEAN	---	---	---	0.234	0.433	0.155	0.118	0.100	0.083	0.210	---	---	---	MEAN

LOCATION - LAT 53 28 10 N, LONG 117 38 05 W
DRAINAGE AREA, 25.6 km^2
NATURAL FLOW

FISH CREEK NEAR HINTON - STATION NO. 07AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.95 AT 14:30 MST ON JUN 24 *	1.31 ON JUN 24 *	---	---	1973
1974	0.937 AT 19:20 MST ON APR 28	0.748 ON JUL 12	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

FISH CREEK NEAR MIDNAPORE - STATION NO. 05BK002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	8.38	11.8	1.30	0.687	0.818	0.582	---	---	---	1917
1918	---	---	---	---	1.61	1.14	0.288	0.130	0.184	0.280	---	---	---	1918
1919	---	---	0.027	0.870	1.18	0.270	0.008	0.388	0.047	0.100	---	---	0.358	1919
MEAN	---	---	0.027	0.870	3.88	4.34	0.524	0.401	0.283	0.307	---	---	0.358	MEAN

LOCATION - LAT 50 55 48 N, LONG 114 03 58 W
DRAINAGE AREA, 426 km^2
NATURAL FLOW

FISH CREEK NEAR MIDNAPORE - STATION NO. 05BK002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---				
1918	---	72.2 ON JUN 3 *	---	---	1917
1919	---	5.36 ON JUN 1	---	---	1918
		2.32 ON MAY 10	0.001 ON JUL 13 *	7 580	1919
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		7 580	MEAN

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	1.52	0.473	0.268	0.632	---	---	---	1908
1909	---	---	---	---	---	1.87	1.99	0.448	0.189	0.193	---	---	---	1909
1910	---	---	---	---	0.222	0.205	0.013	0.042	0.483	0.193	---	---	---	1910
1911	---	---	---	1.81	2.06	1.80	1.83	4.42	1.48	1.08	---	---	---	1911
1912	---	---	---	---	2.18	1.88	10.8	2.83	2.01	1.75	---	---	---	1912
1913	---	---	---	---	2.73	2.29	1.18	0.818	0.485	0.480	---	---	---	1913
1914	---	---	---	---	0.779	1.05	0.488	0.144	0.098	0.482	---	---	---	1914
1915	---	---	---	0.788	8.08	15.6	20.1	5.38	3.87	3.44	---	---	---	1915
1916	---	---	---	4.92	4.80	23.8	4.40	8.31	8.02	2.23	---	---	---	1916
1956	---	---	0.340	0.847	1.43	0.595	0.851	0.318	0.194	0.118	0.113	0.184	0.574	1956
1957	0.123	0.003	0.351	2.59	1.80	1.12	0.213	0.238	0.264	0.452	0.509	0.234	0.847	1957
1958	0.293	0.088	0.024	4.38	2.58	1.88	2.38	0.367	0.389	0.238	0.093	0.077	1.48	1958
1959	0.113	0.108	0.884	2.13	1.87	3.89	0.598	0.398	0.295	0.380	0.402	0.147	1.25	1959
1960	0.058	0.044	1.84	1.18	1.80	1.10	0.431	0.143	0.071	0.108	0.077	0.058	0.832	1960
1961	0.074	0.080	0.313	0.851	2.03	0.347	0.211	0.188	0.138	0.508	0.257	0.182	0.548	1961
1962	0.143	0.208	0.701	3.37	1.72	0.885	0.144	0.020	0.195	0.114	0.091	0.087	0.888	1962
1963	0.100	0.184	0.145	0.558	0.348	3.41	2.62	0.228	0.174	0.070	0.077	0.093	0.913	1963
1964	0.029	0.020	0.053	0.498	3.82	2.35	0.587	0.027	0.184	0.108	0.118	0.029	0.949	1964
1965	0	0.074	0.170	3.11	0.548	3.36	4.85	1.87	2.11	1.28	0.587	0.232	2.18	1965
1966	0.058	0.024	0.388	0.556	2.32	2.48	1.77	0.675	0.349	0.320	0.093	0.048	1.10	1966
1967	0.070	0.120	1.00	4.43	5.08	5.83	0.713	0.270	0.084	0.124	0.132	0.058	2.30	1967
1968	0.080	0.171	0.443	0.585	0.742	1.32	0.261	0.308	0.880	0.844	---	---	0.843	1968
1969	---	---	0.188	4.01	3.48	8.72	5.08	0.474	0.342	0.281	---	---	2.85	1969
1970	---	---	0.128	2.53	2.04	3.33	0.758	0.078	0.150	0.178	---	---	1.14	1970
1971	---	---	0.087	3.84	0.927	3.20	0.308	0.018	0.105	0.189	---	---	1.07	1971
1972	---	---	1.21	2.58	1.24	1.16	0.526	0.384	0.432	0.336	---	---	0.975	1972
1973	---	---	0.811	2.20	3.58	2.53	0.318	0.141	0.300	0.248	---	---	1.26	1973
1974	---	---	0.058	3.98	5.88	1.85	0.311	0.317	0.183	0.244	---	---	1.68	1974
1975	---	---	0.004	1.85	1.88	1.39	0.243	0.082	0.068	0.093	---	---	0.889	1975
1976	---	---	0.082	0.814	0.867	0.318	0.074	0.701	0.178	0.117	---	---	0.385	1976
1977	---	---	0.095	1.28	0.811	0.267	0.087	0.062	0.283	0.228	---	---	0.395	1977
1978	---	---	1.38	2.18	3.18	2.48	1.08	0.573	0.738	0.331	---	---	1.48	1978
1979	---	---	1.13	2.38	2.09	0.830	0.272	0.102	0.024	0.100	---	---	0.835	1979
1980	---	---	0.005	1.88	1.53	2.05	0.102	0.088	0.181	0.185	---	---	0.758	1980
1981	---	---	0.371	0.298	4.40	3.09	1.85	0.858	0.132	0.228	---	---	1.34	1981
1982	---	---	0.028	1.25	0.895	1.48	0.617	0.031	0.208	0.223	---	---	0.613	1982
1983	---	---	0.184	2.15	1.22	0.502	0.715	0.005	0	0.034	---	---	0.598	1983
1984	---	---	0.185	0.378	0.308	0.725	0.011	0.004	0.003	0.032	---	---	0.202	1984
MEAN	0.095	0.080	0.421	2.05	2.24	2.91	1.84	0.771	0.587	0.478	0.232	0.118	1.05	MEAN

LOCATION - LAT 50 53 10 N, LONG 114 19 35 W. DRAINAGE AREA, 259 km^2. NATURAL FLOW

FISH CREEK NEAR PRIDDIS - STATION NO. 05BK001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	45.3 ON AUG 8	---	---	1911
1912	---	37.1 ON JUL 25	---	---	1912
1913	---	8.78 ON JUN 29	---	---	1913
1914	---	3.11 ON JUN 26	---	---	1914
1915	200 ON JUN 25 *	199 ON JUN 25 *	---	---	1915
1916	---	121 ON JUN 4	---	---	1916
1956	---	5.66 ON MAY 13	0.020 ON AUG 24	12 100	1956
1957	---	7.338 ON APR 18	0 B ON MAR 8 *	17 800	1957
1958	---	13.6 B ON APR 16	0 B ON MAR 23	31 800	1958
1959	41.3 ON JUN 27	36.2 ON JUN 27	0.0288 ON MAR 8	26 500	1959
1960	---	4.798 ON MAR 24	0.045 ON SEP 14	17 800	1960
1961	4.05 ON MAY 18	3.54 ON MAY 1	0 B ON MAR 7	11 800	1961
1962	---	8.648 ON APR 4	0 ON AUG 18	18 700	1962
1963	---	58.9 ON JUN 30	0 B ON MAR 8	19 300	1963
1964	---	17.3 ON MAY 3	0 ON AUG 13	20 000	1964
1965	---	28.2 ON JUL 9	0 B ON MAR 4	45 800	1965
1966	---	14.8 ON JUL 3	0.0148 ON MAR 1	23 300	1966
1967	---	72.6 ON MAY 31	0.051 ON SEP 20	48 800	1967
1968	---	7.25 ON JUN 8	0.078 ON JUL 18	13 800	1968
1969	---	75.3 ON JUN 29	0.088 ON AUG 31	84 000	1969
1970	---	34.5 ON JUN 14	0.040E ON AUG 29	24 100	1970
1971	---	19.8 ON JUN 5	0.003 ON AUG 8	22 700	1971
1972	---	7.168 ON APR 8	0 B ON MAR 1	20 600	1972
1973	---	12.1 ON MAY 25	0.082 ON AUG 21	28 600	1973
1974	---	20.7 ON APR 29	0.0178 ON MAR 5	35 600	1974
1975	---	10.0 ON MAY 8	0 B ON MAR 1	14 200	1975
1976	---	3.25 ON AUG 10	0.004 ON JUL 25	7 740	1976
1977	---	5.888 ON APR 5	0.007 ON AUG 2	8 350	1977
1978	---	21.1 ON MAY 31	0 B ON MAR 1	31 300	1978
1979	---	8.45 ON APR 27	0 B ON MAR 1	17 700	1979
1980	---	10.8 ON JUN 4	0 B ON MAR 1	18 000	1980
1981	---	17.0 ON JUN 14	0.031 ON SEP 20	28 400	1981
1982	---	4.87 ON JUN 7	0 B ON MAR 1	13 000	1982
1983	---	15.0 ON APR 25	0 B ON MAR 1	12 800	1983
1984	5.84 AT 08:37 MST ON JUN 9	4.80 ON JUN 9	0 B ON MAR 1	4 280	1984
				22 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FIVE MILE CREEK NEAR SPRING POINT - STATION NO. 05AB014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0.014	0.118	0.138	0.042	0.055	0.012	0.007	0.008	---	---	---	1922
1923	---	---	0.007	0.082	0.111	1.21	0.450	0.205	0.108	0.059	---	---	---	1923
MEAN	---	---	0.011	0.089	0.125	0.626	0.253	0.109	0.057	0.034	---	---	---	MEAN

LOCATION - LAT 49 43 58 N
LONG 113 51 08 W
DRAINAGE AREA, 53.1 km^2
NATURAL FLOW

FIVE MILE CREEK NEAR SPRING POINT - STATION NO. 05AB014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.3988 ON MAY 3	0E ON MAR 1 *	---	1922
1923	---	5.87 ON JUN 1 *	0E ON MAR 1	---	1923
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	---	---	---	---	0.042	0.195	---	---	---	---	1919
1920	---	---	---	---	---	7.05	0.870	0.436	0.089	0.149	---	---	---	1920
1921	---	---	---	0.838	0.381	0.889	3.36	0.853	0.220	0.099	---	---	0.933	1921
1922	---	---	---	0.824	1.09	0.255	0.085	0.002	0.014	0.006	---	---	0.283	1922
1923	---	---	---	---	---	0.456	1.34	0.074	0.007	0	---	---	---	1923
1924	---	---	---	0.004	0.102	0.077	0.068	0.067	0.151	0.108	---	---	0.088	1924
1925	---	---	---	0.488	0.818	0.825	0.112	0.125	0.097	0.078	---	---	0.333	1925
1926	---	---	---	0.135	0.139	0.171	0.042	0.006	0.033	0.059	---	---	0.083	1926
1927	---	---	---	0.870	0.488	0.778	3.49	0.213	0.208	1.20	---	---	1.02	1927
1928	---	---	---	0.271	2.13	1.27	0.728	0.421	0.316	0.238	---	---	0.788	1928
1929	---	---	---	0.695	0.336	0.227	0.905	0.186	0.070	0.036	---	---	0.319	1929
1930	---	---	---	0.338	0.675	2.80	0.865	0.274	0.181	0.147	---	---	0.782	1930
1931	---	---	---	0.341	---	---	---	---	---	---	---	---	---	1931
1980	---	---	---	---	---	---	0.098R	0.803R	0.738R	0.218R	---	---	---	1980
1981	---	---	0.478	0.883	0.151	0.284	0.828	0.081	0.002	0.023	---	---	0.266	1981
1982	---	---	0	0.675	0.138	0.018	0.040	0.048	0.034	0.011	---	---	0.136	1982
1983	---	---	0.007	0.162	0.025	0.193	0.892	0.058	0.008	0.012	---	---	0.180	1983
1984	---	---	0.170	0.174	0.141	0.720	0.018	0.026	0.085	0.036	---	---	0.187	1984
MEAN	---	---	0.183	0.448	0.802	1.05	0.814R	0.188R	0.142R	0.151R	---	---	0.411	MEAN

LOCATION - LAT 54 35 15 N DRAINAGE AREA, 184 km²
LONG 112 54 20 W NATURAL FLOW

R - REVISED SINCE JAN 1980

FLAT CREEK NEAR BOYLE - STATION NO. 07CA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1919	---	---	---	---	1919
1920	---	42.8 ON JUN 19 *	---	---	1920
1921	---	17.0 ON JUL 4	0.059 ON OCT 19	17 300	1921
1922	---	2.86 ON MAY 12	0 ON AUG 10 *	8 430	1922
1923	---	6.29 ON JUL 6	0 ON SEP 11	---	1923
1924	---	0.180 ON SEP 9	0 E ON APR 1	1 830	1924
1925	---	1.40 ON JUN 10	0 E ON APR 1	8 170	1925
1926	---	0.258 ON JUN 18	0.006 ON AUG 2	1 840	1926
1927	---	8.15 ON JUL 8	0 E ON APR 1	18 800	1927
1928	---	5.32 ON MAY 4	0.0388 ON APR 1	14 200	1928
1929	---	2.01 ON JUL 14	0.0088 ON OCT 31	8 890	1929
1930	---	6.47 ON JUN 15	0 B ON APR 1	13 900	1930
1931	---	---	---	---	1931
1980	---	---	---	---	1980
1981	---	2.52 ON APR 1	0 ON SEP 16	5 390	1981
1982	2.688 AT 17:00 MST ON APR 22 *	2.46 B ON APR 22	0 B ON APR 1	2 510	1982
1983	2.28 AT 18:31 MST ON JUL 22	2.25 ON JUL 22	0.0018 ON JUN 8	2 980	1983
1984	2.61 AT 11:44 MST ON JUN 8	2.43 ON JUN 8	0.001 ON JUL 26	3 090	1984
				7 890	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FLAT CREEK NEAR DONATVILLE - STATION NO. 07CA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	38.6	16.8	2.04	1.21	0.984	---	---	---	1920
1921	---	---	---	---	0.539	0.337	2.88	3.46	1.81	0.412	---	---	---	1921
1922	---	---	---	---	2.10	---	---	---	0.087	0.024	---	---	---	1922
1923	---	---	---	0.704	0.598	0.455	0.781	0.300	0.188	0.142	---	---	0.455	1923
1924	---	---	---	0.104	0.318	0.055	0.029	0.018	0.018	0.040	---	---	0.083	1924
1925	---	---	---	1.06	1.84	1.80	0.895	0.259	0.101	0.088	---	---	0.804	1925
1926	---	---	---	0.117	0.126	0.082	0.013	0	0	0.003	---	---	0.050	1926
1927	---	---	0.010	0.101	0.118	0.119	9.71	7.17	2.80	2.73	---	---	3.25	1927
1928	---	---	---	0.618	1.88	1.17	0.827	0.451	0.323	0.280	---	---	0.780	1928
1929	---	---	---	0.938	0.881	0.367	0.335	0.338	0.288	0.228	---	---	0.491	1929
1930	---	---	---	0.133	0.207	0.938	1.08	0.482	0.308	0.348	---	---	0.502	1930
1931	---	---	---	0.018	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.010	0.433	0.884	4.35	3.30	1.48	0.611	0.478	---	---	0.803	MEAN

LOCATION - LAT 54 45 20 N DRAINAGE AREA, 666 km²
LONG 112 52 23 W NATURAL FLOW

FLAT CREEK NEAR DONATVILLE - STATION NO. 07CA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	83.4 ON JUN 24 *	---	---	1920
1921	---	4.87 ON AUG 2	---	---	1921
1922	---	---	---	---	1922
1923	---	2.83 B ON APR 16	0 B ON APR 1 *	8 430	1923
1924	---	1.53 B ON MAY 2	0 ON JUL 30	1 540	1924
1925	---	2.88 ON MAY 1	0 B ON APR 1	14 900	1925
1926	---	0.2378 ON APR 13	0 ON JUL 20	823	1926
1927	---	21.8 ON JUL 3	0.0088 ON APR 2	66 100	1927
1928	---	2.86 ON MAY 18	0.210 ON OCT 10	14 800	1928
1929	---	1.76 B ON APR 14	0.0938 ON OCT 31	9 080	1939
1930	---	1.70 ON JUN 16	0 B ON APR 2	9 280	1930
1931	---	---	0 B ON APR 1	---	1931
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 900	MEAN

FOOTHILLS CREEK NEAR PINCHER CREEK - STATION NO. 05AD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	0.104R	0.102R	0.023R	GR	GR	GR	GR	---	---	0.032R	1983
1984	---	---	---	0.012	0.018	0.001	0	0	0	0	---	---	0.004	1984
MEAN	---	---	---	0.058R	0.060R	0.012R	GR	GR	GR	GR	---	---	0.018	MEAN

LOCATION - LAT 49 24 25 N, LONG 113 42 00 W NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT R - REVISED SINCE JAN 1980

FOOTHILLS CREEK NEAR PINCHER CREEK - STATION NO. 05AD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	0.307R ON MAY 31 *	GR ON JUN 22 *	601 R	1983
1984	0.074 AT 09:10 MST ON APR 21 *	0.061 ON APR 21	0 ON APR 1	83.8	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		342 R	MEAN

FORTY MILE CREEK NEAR BANFF - STATION NO. 05BB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	4.10	3.08	1.95	1.29	0.743	---	1912
1913	0.817	0.712	0.683	1.05	2.88	10.4	4.88	3.40	2.77	1.85	1.24	0.926	4.27	1913
1914	0.852	0.636	0.793	0.826	3.45	8.86	5.89	2.22	1.60	1.81	1.23	0.883	3.88	1914
1915	0.788	0.686	0.640	0.942	3.17	5.20	5.42	3.28	2.05	1.72	1.28	0.827	3.47	1915
1916	0.647	0.602	0.636	0.837	1.85	8.88	5.87	3.63	2.34	1.53	0.884	0.687	4.42	1916
1917	0.432	0.464	0.388	0.378	2.05	7.03	5.81	2.28	1.38	1.25	0.800	0.788	3.20	1917
1918	0.818	0.380	0.364	0.802	2.05	8.88	3.72	2.12	1.43	1.22	0.788	0.628	2.75	1918
1919	0.484	0.448	0.334	0.688	3.38	5.06	2.83	2.84	1.35	0.734	0.607	0.308	2.84	1919
1920	0.221	0.308	0.338	---	---	---	---	---	---	---	---	---	---	1920
1945	---	---	---	---	---	---	---	---	---	1.10	0.853	0.884	---	1945
1946	0.811	0.443	0.448	0.827	---	7.18	3.94	2.31	2.88	1.84	1.18	0.827	---	1946
1947	0.853	0.488	0.481	0.781	5.82	7.54	4.22	1.93	1.70	1.43	1.09	0.877	3.73	1947
1948	0.718	0.631	0.802	0.802	---	---	---	---	---	---	---	---	---	1948
1972	---	---	---	---	3.18	10.3	8.40	3.85	2.17	1.63	---	---	4.83	1972
1973	---	---	---	---	3.73	8.72	5.95	2.37	1.41	0.950	---	---	3.84	1973
1974	---	---	---	---	1.37	8.88	5.18	2.82	1.48	1.13	---	---	3.44	1974
1975	---	---	---	---	1.11	3.48	3.34	2.18	1.57	1.05	---	---	2.13	1975
1976	---	---	---	---	3.88	8.28	5.10	3.75	2.39	1.31	---	---	3.78	1976
1977	---	---	---	---	2.59	4.93	3.07	2.58	1.87	1.25	---	---	2.71	1977
MEAN	0.673	0.617	0.688	0.721	2.76	7.18	5.08	2.80	1.95	1.41	0.998	0.874	3.48	MEAN

LOCATION - LAT 51 12 24 N, LONG 115 35 05 W DRAINAGE AREA, 133 km^2 NATURAL FLOW

FORTY MILE CREEK NEAR BANFF - STATION NO. 05BB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	15.7 ON JUN 12	1.02 ON MAY 8	87 800	1913
1914	---	13.7 ON JUN 17	1.18 ON SEP 7	81 600	1914
1915	---	14.4 ON JUN 28	1.83 ON OCT 25	88 200	1915
1916	---	20.2 ON JUN 19 *	0.906 ON MAY 1	70 300	1916
1917	---	10.0 ON JUN 18	0.388 ON MAY 1	82 300	1917
1918	---	12.0 ON JUN 14	0.552 ON MAY 2	63 700	1918
1919	---	8.44 ON MAY 28	0.340 ON OCT 27 *	42 000	1919
1920	---	---	---	---	1920
1945	---	---	---	---	1945
1946	---	13.1 ON MAY 29	1.08 ON MAY 1	---	1946
1947	---	16.8 ON JUN 12	1.21 ON OCT 30	89 200	1947
1948	---	---	---	---	1948
1972	18.1 AT 08:00 MST ON JUN 1	16.9 ON JUN 1	0.426 ON MAY 10	71 900	1972
1973	12.7 AT 15:00 MST ON JUN 24	12.5 ON JUN 24	0.623E ON MAY 1	61 000	1973
1974	20.5 AT 03:00 MST ON JUN 17 *	18.6 ON JUN 24	0.884 ON MAY 19	84 800	1974
1975	5.24 AT 04:30 MST ON JUN 26	5.13 ON JUN 25	0.595 ON MAY 1	33 700	1975
1976	15.3 AT 03:30 MST ON JUL 1	13.3 ON JUL 1	1.10 E ON OCT 29	80 300	1976
1977	12.0 AT 03:00 MST ON JUN 8	11.2 ON JUN 8	1.06 ON OCT 31	63 200	1977
				85 900	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	45.0	31.4	32.0	20.8	8.18	---	---	---	1965
1966	---	---	0.107	3.45	32.7	9.85	13.1	15.8	8.04	0.865	---	---	9.39	1966
1967	---	---	0.709	2.49	42.7	20.4	1.72	1.18	0.680	0.618	---	---	8.82	1967
1968	---	---	1.12	3.24	20.8	23.1	4.28	3.81	3.23	3.28	---	---	7.61	1968
1969	---	---	0.446	20.0	11.3	1.95	2.68	7.27	12.9	3.80	---	---	7.52	1969
1970	---	---	1.13	4.84	27.9	16.9	13.1	5.02	4.70	2.18	---	---	9.81	1970
1971	---	---	0.600	10.8	17.8	38.1	97.0	17.4	3.84	2.73	---	---	23.5	1971
1972	---	---	0.580	4.72	83.8	25.2	14.9	7.89	4.02	3.38	---	---	15.5	1972
1973	---	---	0.592	5.77	19.1	28.1	8.85	8.67	5.34	5.41	---	---	10.4	1973
1974	---	---	0.621	26.7	73.5	11.6	33.1	6.10	3.81	3.32	---	---	19.8	1974
1975	---	---	0.892	7.76	20.3	28.1	15.7	8.88	12.3	4.32	---	---	11.8	1975
1976	---	---	0.786	18.3	11.5	11.8	17.8	35.8	15.4	8.05	---	---	14.7	1976
1977	---	---	1.37	16.7	42.8	26.8	29.3	8.02	8.22	5.48	---	---	16.8	1977
1978	---	---	0.926	8.26	15.7	16.7	16.3	7.35	21.0	8.11	---	---	12.1	1978
1979	---	---	1.23	4.03	46.2	45.9	44.8	7.77	3.36	2.06	---	---	19.2	1979
1980	---	---	0.185	13.8	7.25	11.8	13.4	10.4	18.8	8.61	---	---	9.97	1980
1981	---	---	1.27	8.51	10.8	14.2	8.35	3.13	1.07	1.57	---	---	8.21	1981
1982	---	---	0.382	3.56	30.8	4.16	28.8	32.4	5.78	3.61	---	---	13.8	1982
1983	---	---	0.213	5.76	4.85	21.8	62.0	10.7	4.75	3.58	---	---	14.3	1983
1984	---	---	0.842	7.08	17.4	36.1	12.7	4.45	4.81	3.51	---	---	11.2	1984
MEAN	---	---	0.738	8.40	28.8	22.0	23.5	11.8	7.77	3.82	---	---	12.8	MEAN

LOCATION - LAT 54 21 52 N
LONG 114 54 13 W

DRAINAGE AREA, 1 880 km^2
NATURAL FLOW

FREEMAN RIVER NEAR FORT ASSINIBOINE - STATION NO. 07AH001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	388 ON JUN 28 *	---	---	1965
1966	---	87.1 ON AUG 29	0.0578 ON MAR 1 *	188 000	1966
1967	---	72.8 ON MAY 18	0.5418 ON MAR 1	186 000	1967
1968	---	49.8 ON JUN 14	1.02 B ON MAR 17	165 000	1968
1969	---	46.4 ON APR 19	0.0578 ON MAR 1	159 000	1969
1970	101 AT 11:42 MST ON JUN 17	63.8 ON JUN 17	0.5788 ON APR 8	206 000	1970
1971	---	282 A ON JUL 6	0.453 ON MAR 1	488 000	1971
1972	187 AT 15:00 MST ON MAY 18 *	171 ON MAY 18	0.4638 ON MAR 1	328 000	1972
1973	124 AT 14:00 MST ON JUN 17	103 ON JUN 17	0.5368 ON MAR 1	220 000	1973
1974	---	231 ON JUL 14	0.5138 ON APR 2	419 000	1974
1975	---	227 A ON JUN 28	0.5808 ON MAR 1	280 000	1975
1976	---	186 A ON AUG 26	0.7788 ON MAR 1	312 000	1976
1977	---	116 ON MAY 7	1.06 B ON MAR 25	356 000	1977
1978	---	77.0 ON JUL 12	0.6578 ON MAR 22	267 000	1978
1979	---	223 ON JUL 3	0.5688 ON MAR 1	408 000	1979
1980	---	35.7 ON SEP 16	0.0818 ON MAR 2	211 000	1980
1981	---	36.0 ON JUL 23	0.548 ON SEP 17	131 000	1981
1982	---	151 ON AUG 5	0.2908 ON MAR 19	282 000	1982
1983	---	168 ON JUL 10	0.1828 ON MAR 1	302 000	1983
1984	---	218 ON JUN 8	0.7508 ON MAR 16	238 000	1984
				270 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GALWEY BROOK NEAR WATERTON PARK - STATION NO. 05AD804

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	---	---	0.002R	0.002R	---	---	---	1983
1984	---	---	---	0.003	0.432	0.113	0.082	0.024	0.011	0.038	---	---	0.101	1984
MEAN	---	---	---	0.002	0.432	0.113	0.082	0.024	0.007R	0.020R	---	---	0.101	MEAN

LOCATION - LAT 49 08 25 N
LONG 113 51 00 W NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

R - REVISED SINCE JAN 1980

GALWEY BROOK NEAR WATERTON PARK - STATION NO. 05AD804

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	---	---	1983
1984	1.27 AT 17:50 MST ON MAY 16 *	1.11 ON MAY 17 *	0 ON APR 1 *	1 670	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 670	MEAN

GHOST RIVER ABOVE WAIPAROUS CREEK - STATION NO. 05BG010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	2.35	4.72	4.95	4.48	3.84	2.87	2.23	---	1983
1984	1.87	1.80	1.82	1.82	1.47	1.82	2.27	3.34	3.20	2.83	2.44	2.18	2.13	1984
MEAN	1.87	1.80	1.82	1.82	1.47	1.84	3.50	4.15	3.84	3.14	2.66	2.21	2.13	MEAN

LOCATION - LAT 51 15 15 N
LONG 114 55 15 W

DRAINAGE AREA, 486 km^2
REGULATED SINCE 1941

GHOST RIVER ABOVE WAIPAROUS CREEK - STATION NO. 05BG010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	16.7 AT 11:23 MST ON JUL 3 *	10.6 ON JUL 3 *	---	---	1983
1984	3.83 AT 04:14 MST ON SEP 12	3.57 ON SEP 12	1.28 ON JUN 4 *	67 500	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		67 500	MEAN

GHOST RIVER DIVERSION CANAL NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	3.48	---	---	---	---	1947
1948	---	---	---	---	2.38	3.28	2.24	1.28	1.85	1.21	0.881	0.572	---	1948
1950	0.603	0.558	0.518	0.487	1.81	8.45	5.43	2.68	1.30	0.892	0.572	0.581	2.01	1950
1951	0.545	0.482	0.435	0.412	3.85	1.85	2.13	3.55	4.94	2.39	1.42	0.885	1.91	1951
1952	0.677	0.597	0.718	0.882	3.57	3.80	6.02	3.77	1.95	1.33	0.894	0.825	2.08	1952
1953	0.582	0.586	0.495	0.486	2.18	0.188	1.68	2.30	1.50	1.07	0.848	0.882	1.06	1953
1954	0.702	0.692	0.673	0.484	3.10	3.48	2.90	4.14	2.83	2.08	1.38	0.887	1.93	1954
1955	---	---	---	0.276	1.68	3.70	4.93	1.87	1.40	1.15	1.02	---	---	1955
1956	---	---	---	0.578	4.20	4.38	8.27	2.44	1.77	1.13	0.822	0.708	---	1956
1957	---	---	0.508	0.557	6.38	5.43	3.88	1.83	1.84	1.88	1.24	---	---	1957
1958	---	---	---	0.542	8.25	8.48	8.85	2.37	2.28	1.44	0.837	---	---	1958
1959	---	---	---	0.593	2.48	8.76	4.18	2.48	2.18	1.83	1.12	---	---	1959
1960	---	---	---	0.550	2.08	8.18	3.84	2.82	1.40	1.20	0.841	---	---	1960
1961	---	---	---	0.462	1.82	2.43	3.08	2.68	1.88	1.87	1.40	---	---	1961
1962	---	---	---	0.881	1.83	5.89	4.12	2.21	1.88	1.18	0.858	---	---	1962
1963	---	---	---	0.478	2.82	8.48	7.28	3.11	2.70	1.85	1.00	---	---	1963
1964	---	---	---	0.527	1.87	1.82	8.28	1.84	1.88	1.83	0.977	---	---	1964
1965	---	---	---	0.587	3.08	2.84	0.851	4.30	4.07	2.80	1.42	---	---	1965
1966	---	---	---	0.584	3.12	2.14	4.84	2.88	1.84	1.33	---	---	---	1966
1967	---	---	---	0.497	2.38	0.181	3.78	3.07	1.21	0.828	0.758	---	---	1967
1968	---	---	---	0.486	2.28	6.82	4.48	2.88	1.88	1.78	1.01	---	---	1968
MEAN	0.622	0.588	0.561	0.531	2.82	4.12	4.03	2.84	2.18	1.82	1.02	0.714	1.80	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

GHOST RIVER DIVERSION CANAL NEAR BLACK ROCK MOUNTAIN - STATION NO. 08BC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	8.85 ON MAY 22	---	---	1948
1950	---	28.4 ON JUN 16 *	0.463 ON APR 19	83 500	1950
1951	---	10.7 ON MAY 23	0.142 ON JUN 29	60 100	1951
1952	---	8.65 ON MAY 16	0.142E ON JUN 28	65 900	1952
1953	---	8.48 ON MAY 19	0.126 ON JUL 15 *	33 200	1953
1954	---	13.5 ON JUN 11	0.198E ON SEP 4	81 000	1954
1955	---	10.9 ON JUN 13	---	---	1955
1956	---	11.8 ON MAY 15	---	---	1956
1957	---	9.34 ON MAY 20	---	---	1957
1958	---	10.0 ON JUL 1	---	---	1958
1959	---	8.95 ON MAY 15	---	---	1959
1960	---	9.40 ON JUN 2	---	---	1960
1961	---	10.8 ON MAY 22	---	---	1961
1962	---	9.46 ON JUL 6	---	---	1962
1963	---	11.3 ON JUL 25	---	---	1963
1964	---	11.0 ON JUL 4	---	---	1964
1965	---	10.1 ON JUN 10	---	---	1965
1966	---	9.15 ON MAY 12	---	---	1966
1967	---	8.33 ON MAY 28	---	---	1967
1968	---	9.63 ON JUN 10	---	---	1968
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		66 700	MEAN

GHOST RIVER DIVERSION TO LAKE MINNEWANKA - STATION NO. 08BC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	---	---	2.43	0.715	0	0	0	---	1941
1942	0	0	0	0	2.61	5.86	3.00	0.553	1.86	0.311	0.058	0	1.14	1942
1943	0	0	0	0	1.14	4.43	6.19	0.806	0.855	0.710	0.342	0.023	1.32	1943
1944	0	0	0	0	2.22	4.60	1.73	2.87	1.32	0.882	0.800	0.213	1.21	1944
1945	0	0	0	0	3.21	7.74	3.15	1.70	1.18	1.52	0.181	0	1.58	1945
1946	0	0	0	0	2.47	4.13	2.40	2.14	2.70	1.28	0.800	0.128	1.35	1946
1947	0	0	0	0.274	3.86	6.23	2.70	2.86	2.42	1.06	0.471	0	1.48	1947
1948	0	0	0	0.031	1.80	1.82	1.28	0.783	1.06	1.02	0.886	0.089	0.888	1948
1950	0	0	0	0.058	1.02	7.88	3.21	1.88	1.13	0.820	0.148	0	1.33	1950
1951	0	0	0	0	2.71	7.10	6.89	2.78	4.37	1.04	0.554	0.048	2.14	1951
1952	0	0	0	0	1.75	7.70	4.28	2.31	1.00	0.833	0.308	0	1.80	1952
1953	0	0	0	0	1.83	10.8	4.83	1.88	1.15	0.808	0.475	0.082	1.78	1953
1954	0	0	0	0	2.38	6.83	5.70	5.80	2.81	1.84	0.775	0.070	2.29	1954
1955	0	0	0	0	0.787	5.34	3.84	1.31	1.08	0.846	0.218	0	1.21	1955
1956	0	0	0	0.046	4.03	4.84	4.19	1.86	1.22	0.883	0.370	0.018	1.46	1956
1957	0	0	0	0.037	4.66	4.66	1.89	1.22	1.13	1.13	0.824	0.188	1.31	1957
1958	0	0	0	0	5.02	5.28	5.81	1.67	1.52	0.848	0.284	0	1.89	1958
1959	0	0	0	0	1.48	5.83	3.13	1.88	1.52	1.28	0.340	0.074	1.27	1959
1960	0	0	0	0	1.08	4.32	2.48	1.78	0.850	0.898	0.158	0	0.945	1960
1961	0	0	0	0.001	3.98	3.84	2.26	1.88	1.02	1.28	0.672	0	1.27	1961
1962	0	0	0	0	1.28	4.43	3.23	1.88	1.18	0.821	0.348	0	1.08	1962
1963	0	0	0	0	1.58	8.75	5.88	3.11	1.83	0.889	0.288	0	1.80	1963
1964	0	0	0	0	1.03	8.88	4.21	0.872	1.08	0.939	0.412	0	1.81	1964
1965	0	0	0	0	1.23	10.3	4.61	3.84	3.17	1.87	0.883	0.187	2.21	1965
1966	0	0	0	0	2.84	3.58	4.14	1.84	1.20	0.871	0.314	0	1.38	1966
1967	0	0	0	0	3.19	8.28	3.80	1.38	0.810	0.812	0.380	0.018	1.43	1967
1968	0	0	0	0	1.48	5.81	3.80	2.25	1.80	1.43	0.480	0	1.38	1968
1969	0	0	0	0.138	4.20	7.45	8.41	1.85	0.878	0.374	0.181	0	1.78	1969
1970	0	0	0	0	1.83	8.30	2.48	0.883	0.715	0.877	0.276	0	1.28	1970
1971	0	0	0	0.001	2.84	8.82	2.27	0.748	0.818	0.823	0.388	0	1.24	1971
1972	0	0	0	0	3.08	8.82	4.88	2.27	1.87	1.41	0.810	0	1.83	1972
1973	0	0	0.008	0.088	4.14	7.81	3.80	1.83	2.17	1.07	0.248	0	1.73	1973
1974	0	0	0	0.002	1.34	11.0	4.20	2.74	2.10	1.08	0.830	0.081	1.82	1974
1975	0	0	0	0	0.483	3.88	2.70	1.88	1.13	0.801	0.414	0	0.828	1975
1976	0	0	0	0	2.88	3.48	2.87	1.84	1.28	1.08	0.485	0.037	1.18	1976
1977	0	0	0	0	2.84	3.37	1.78	2.88	1.82	1.23	0.387	0	1.14	1977
1978	---	---	---	---	1.88	5.47	3.81	3.28	1.80	0.870	---	---	---	1978
1979	0	0	0	0	1.32	3.48	1.82	1.01	0.783	0.401	0.181	0	0.728	1979
1980	0	0	0	0.188	2.84	8.08	1.48	1.31	1.31	0.838	0.528	0.011	1.18	1980
1981	0	0	0	0	5.01	4.80	8.81	2.84	1.07	0.882	0.444	0.038	1.82	1981
1982	0	0	0	0	0.781	8.40	2.81	1.13	1.05	1.11	0.514	0.012	1.18	1982
1983	0	0	0	0.104	2.87	4.27	4.04	1.44	0.884	0.883	0.388	0.048	1.25	1983
1984	0	0	0	0	0.828	4.70	1.72	1.14	0.884	1.31	0.332	0	0.888	1984
MEAN	0	0	0	0.033	2.34	6.10	3.88	1.88	1.43	0.834	0.408	0.034	1.40	MEAN

LOCATION - LAT 51 17 00 N
LONG 115 10 00 W
REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	0 ON AUG 1 *	---	1941
1942	---	14.0 ON JUN 29	0 ON JAN 1	36 100	1942
1943	---	13.4 ON JUL 14	0 ON JAN 1	36 800	1943
1944	---	11.2 E ON MAY 28	0 ON JAN 1	36 400	1944
1945	---	22.7 ON MAY 30	0 ON JAN 1	45 200	1945
1946	---	20.4 ON MAY 26	0 ON JAN 1	42 500	1946
1947	---	13.8 ON JUN 9	0 ON JAN 1	46 700	1947
1948	---	5.72E ON MAY 21	0 ON JAN 1	22 000	1948
1950	---	26.0 E ON JUN 15	0 ON JAN 1	61 800	1950
1951	---	23.0 ON JUN 14	0 ON JAN 1	57 500	1951
1952	---	18.8 ON JUN 23	0 ON JAN 1	47 500	1952
1953	---	37.1 ON JUN 13	0 ON JAN 1	55 400	1953
1954	---	23.5 ON AUG 25	0 ON JAN 1	72 100	1954
1955	---	20.0 ON JUN 12	0 ON JAN 1	38 300	1955
1956	---	15.8 ON MAY 20	0 ON JAN 1	46 200	1956
1957	---	8.50 ON MAY 20	0 ON JAN 1	41 200	1957
1958	---	8.55 ON JUL 1	0 ON JAN 1	53 200	1958
1959	---	8.13 ON JUN 13	0 ON JAN 1	40 100	1959
1960	---	8.57 ON JUN 2	0 ON JAN 1	39 900	1960
1961	---	15.0 ON MAY 27	0 ON JAN 1	40 100	1961
1962	---	8.34 ON JUL 8	0 ON JAN 1	33 400	1962
1963	---	13.1 ON JUN 29	0 ON JAN 1	50 400	1963
1964	---	30.3 ON JUN 6	0 ON JAN 1	67 500	1964
1965	---	40.8 ON JUN 17	0 ON JAN 1	88 800	1965
1966	---	15.2 ON JUL 3	0 ON JAN 1	38 500	1966
1967	---	26.8 ON MAY 31	0 ON JAN 1	45 000	1967
1968	---	9.86 ON JUN 2	0 ON JAN 1	43 700	1968
1969	---	19.8 ON JUL 4	0 ON JAN 1	85 500	1969
1970	---	45.9 ON JUN 18 *	0 ON JAN 1	39 300	1970
1971	---	24.2 ON JUN 8	0 ON JAN 1	38 900	1971
1972	---	18.5 ON JUN 24	0 ON JAN 1	81 100	1972
1973	---	14.5 ON JUN 24	0 ON JAN 1	54 400	1973
1974	---	29.2 ON JUN 18	0 ON JAN 1	80 400	1974
1975	---	7.18 ON JUN 20	0 ON JAN 1	28 200	1975
1976	---	8.27 ON AUG 5	0 ON JAN 1	38 800	1976
1977	---	7.70 ON JUN 8	0 ON JAN 1	35 900	1977
1978	---	11.8 ON JUN 5	0 ON APR 25	---	1978
1979	---	6.15 ON MAY 27	0 ON JAN 1	23 000	1979
1980	---	11.1 ON JUN 10	0 ON JAN 1	37 800	1980
1981	---	27.2 ON MAY 26	0 ON JAN 1	80 400	1981
1982	---	10.1 ON JUN 16	0 ON JAN 1	35 500	1982
1983	---	14.5 ON JUL 3	0 ON JAN 1	39 400	1983
1984	---	6.72 ON MAY 30	0E ON JAN 1	25 500	1984
				44 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	---	1.89	4.06	3.17	1.48	0.885	0.787	---	1941
1942	0.888	0.478	0.382	0.333	4.30	8.82	5.80	3.35	4.10	1.73	0.923	0.751	3.77	1942
1943	0.808	0.485	0.458	0.761	3.73	8.27	7.90	2.15	1.28	0.948	0.850	0.602	2.84	1943
1944	0.481	0.480	0.444	0.444	3.84	8.98	3.43	4.84	1.87	1.12	0.788	0.608	2.84	1944
1945	0.537	0.481	0.439	0.381	3.82	10.8	5.28	3.12	2.88	2.37	1.22	0.908	3.72	1945
1946	0.883	0.510	0.452	0.488	3.42	8.84	3.06	2.72	3.79	1.81	1.13	0.808	3.88	1946
1947	0.859	0.584	0.519	0.818	4.72	7.80	3.00	3.28	3.48	2.13	1.38	0.880	3.38	1947
1948	---	---	---	---	---	---	---	---	---	2.13	1.38	---	---	1948
1949	---	---	---	---	2.88	3.73	2.24	1.28	1.88	1.21	0.881	0.872	---	1949
1950	0.802	0.888	0.518	0.487	1.81	11.4	5.43	2.88	1.30	0.992	0.872	0.881	3.09	1950
1951	0.845	0.482	0.435	0.441	4.78	9.84	9.85	4.30	8.89	2.39	1.41	0.885	4.98	1951
1952	0.878	0.588	0.718	0.882	3.84	10.5	5.28	3.78	1.89	1.24	0.888	0.821	3.88	1952
1953	0.584	0.585	0.484	0.488	3.82	18.8	8.81	2.31	1.80	1.07	0.748	0.882	4.38	1953
1954	0.702	0.582	0.573	0.484	3.47	11.8	8.10	7.78	4.81	2.10	1.[illegible]	0.857	4.88	1954
1955	---	---	---	0.480	1.83	8.72	8.03	1.87	1.48	1.18	1.02	---	2.81	1955
1956	---	---	---	0.878	5.78	7.28	5.43	2.44	1.77	1.13	0.823	0.708	3.18	1956
1957	---	---	0.808	0.888	5.43	8.48	2.89	1.83	1.84	1.88	1.24	---	2.83	1957
1958	---	---	---	0.842	6.77	8.81	7.34	2.37	2.27	1.44	0.830	---	3.88	1958
1959	---	---	---	0.883	2.47	7.88	4.21	2.48	2.18	1.84	1.12	---	2.79	1959
1960	---	---	---	0.850	2.07	8.48	3.74	2.81	1.40	1.20	0.841	---	2.38	1960
1961	---	---	---	0.452	8.38	8.86	3.13	2.88	1.88	1.87	1.40	---	2.98	1961
1962	---	---	---	0.881	2.72	8.72	4.38	2.21	1.88	1.18	0.858	---	2.45	1962
1963	---	---	---	0.478	2.88	10.1	8.46	3.18	2.72	1.88	1.08	---	3.77	1963
1964	---	---	---	0.837	2.22	14.2	8.28	1.84	1.88	1.83	0.977	---	3.88	1964
1965	---	---	---	0.887	2.14	14.4	9.07	5.88	4.07	2.80	1.42	---	4.88	1965
1966	---	---	---	0.884	4.88	8.33	5.80	2.87	1.84	1.33	---	---	---	1966
1967	---	---	---	0.487	4.84	13.0	4.18	2.07	1.31	0.928	0.788	---	3.40	1967
1968	---	---	---	0.488	2.38	7.47	4.48	2.88	1.88	1.78	1.01	---	2.80	1968
1969	---	---	---	0.888	8.00	10.1	6.98	2.27	1.31	1.08	0.818	---	3.90	1969
1970	---	---	---	0.433	2.40	10.1	3.18	1.38	0.948	0.808	0.884	---	2.47	1970
1971	---	---	---	0.481	4.23	8.07	3.48	1.88	1.30	1.20	0.898	---	2.78	1971
1972	---	---	---	0.804	4.37	13.8	6.82	3.04	2.21	1.53	1.07	---	4.01	1972
1973	---	---	---	0.571	8.00	10.4	4.38	2.20	2.42	1.31	0.932	---	3.51	1973
1974	---	---	---	0.888	2.36	15.2	8.18	3.07	2.37	1.34	0.903	---	3.88	1974
1975	---	---	---	0.471	1.28	8.33	4.02	2.73	1.83	1.18	0.848	---	2.18	1975
1976	---	---	---	0.537	3.78	4.88	4.11	8.11	2.73	1.88	1.01	---	2.84	1976
1977	---	---	---	0.518	3.28	8.11	2.48	3.88	2.41	1.70	1.08	---	2.88	1977
1978	---	---	---	0.888	2.88	9.08	8.02	3.08	2.28	1.83	1.10	---	3.18	1978
1979	---	---	---	0.487	2.38	4.88	2.87	1.83	1.34	0.988	0.811	---	1.88	1979
1980	---	---	---	0.778	4.28	9.08	1.88	2.18	2.07	1.24	0.877	---	2.81	1980
1981	---	---	---	0.478	8.03	7.47	11.0	4.80	1.78	1.18	0.878	---	4.87	1981
1982	---	---	---	0.480	1.48	8.78	3.78	1.81	1.32	1.38	0.888	---	2.43	1982
1983	---	---	---	0.808	4.83	8.32	8.38	1.77	1.30	0.982	0.747	---	2.88	1983
1984	---	---	---	0.488	1.38	8.74	2.21	1.48	1.28	1.71	0.881	---	2.01	1984
MEAN	0.804	0.533	0.488	0.840	3.88	8.70	8.18	2.87	2.28	1.47	0.981	0.738	3.24	MEAN

LOCATION - LAT 51 18 00 N
LONG 115 11 00 W

DRAINAGE AREA, 211 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	---	---	1941
1942	18.6 AT 21:00 MST ON JUN 28	15.7 ON JUN 28	0.314E ON APR 10	78 800	1942
1943	19.9 AT 01:30 MST ON JUL 14	14.8 ON JUL 14	0.453E ON APR 1	80 000	1943
1944	24.7 AT 21:30 MST ON MAY 28	13.8 ON MAY 28	0.392 ON MAY 8 *	80 000	1944
1945	37.7 AT 23:00 MST ON MAY 30	24.7 ON MAY 30	0.351A ON APR 30	78 400	1945
1946	43.3 AT 18:30 MST ON MAY 28	23.8 ON MAY 28	0.425E ON APR 1	80 800	1946
1947	20.4 AT 03:00 MST ON MAY 10	18.3 ON JUN 9	0.535B ON APR 1	71 300	1947
1948	---	---	---	---	1948
1949	11.0 AT 12:30 MST ON MAY 21	7.79 ON MAY 21	---	---	1949
1950	---	39.4 E ON JUN 18	0.453 ON APR 18	85 200	1950
1951	43.9 ON JUN 14	27.8 ON JUN 14	0.360 ON APR 20	105 000	1951
1952	---	24.7 ON JUN 23	0.785 ON NOV 30	77 300	1952
1953	126 ON JUN 13 *	57.5 ON JUN 13 *	0.453 ON APR 1	92 500	1953
1954	39.1 AT 16:30 MST ON AUG 25	30.0 ON AUG 25	0.425 ON APR 30	105 000	1954
1955	48.4 AT 22:30 MST ON JUN 11	27.2 ON JUN 12	0.430 ON APR 27	81 400	1955
1956	36.8E AT 21:00 MST ON MAY 20	20.1 E ON MAY 20	0.462 ON APR 3	86 800	1956
1957	11.6 AT 03:00 MST ON MAY 20	9.63 ON JUN 8	0.456 ON APR 1	55 800	1957
1958	13.8 AT 20:45 MST ON MAY 20	11.7 ON JUL 1	0.490 ON APR 6	74 700	1958
1959	14.6 AT 22:00 MST ON JUN 13	11.8 ON JUN 13	0.524 ON APR 1	58 800	1959
1960	14.4 AT 23:30 MST ON JUN 2	10.9 ON JUN 2	0.507 ON APR 1	49 800	1960
1961	31.1 AT 22:00 MST ON MAY 23	20.6 ON MAY 27	0.394 ON APR 28	82 900	1961
1962	14.3 AT 23:00 MST ON JUL 7	10.5 ON JUL 8	0.493 ON APR 8	51 500	1962
1963	36.4 AT 20:00 MST ON JUN 29	19.5 ON JUN 30	0.413 ON APR 10	79 500	1963
1964	47.6 AT 11:00 MST ON JUN 6	36.2 ON JUN 6	0.507 ON APR 13	77 000	1964
1965	---	46.2 ON JUN 17	0.453E ON APR 1	105 000	1965
1966	26.3 AT 11:00 MST ON JUL 3	21.8 ON JUL 3	---	---	1966
1967	46.7 AT 24:00 MST ON MAY 30	34.6 ON MAY 31	0.461E ON APR 1	71 600	1967
1968	23.6 AT 20:30 MST ON JUN 2	13.0 ON JUN 2	0.425 ON APR 23	59 000	1968
1969	29.2 AT 22:00 MST ON JUL 4	25.0 ON JUL 4	0.466 ON APR 1	82 400	1969
1970	88.7 AT 11:00 MST ON JUN 18	47.8 ON JUN 18	0.422 ON APR 5	52 200	1970
1971	---	30.0 ON JUN 6	0.377 ON APR 1	56 700	1971
1972	---	24.9 ON JUN 24	0.453 ON APR 25	84 500	1972
1973	---	20.2 ON JUN 24	0.536 ON APR 1	74 100	1973
1974	---	32.6 ON JUN 16	0.496 ON APR 1	81 300	1974
1975	---	10.7 ON JUN 22	0.453E ON APR 1	46 100	1975
1976	---	13.5 ON AUG 5	0.487 ON APR 2	81 800	1976
1977	18.7 AT 23:10 MST ON JUN 1	12.5 ON JUN 6	0.510 ON APR 1	53 700	1977
1978	26.3 AT 23:15 MST ON JUN 5	17.2 ON JUN 5	0.481 ON APR 1	86 500	1978
1979	---	12.0 ON MAY 27	0.453 ON APR 1	39 700	1979
1980	---	18.3 ON JUN 10	0.396 ON APR 1	59 200	1980
1981	---	35.0 ON MAY 26	0.453 ON APR 5	96 400	1981
1982	---	14.8 ON JUN 16	0.425 ON APR 1	51 300	1982
1983	---	20.8 ON JUL 3	0.425 ON APR 1	54 500	1983
1984	---	13.8 ON MAY 30	0.425 ON APR 1	42 500	1984
				68 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER NEAR COCHRANE - STATION NO. 05BE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	16.3	8.24	---	---	---	1911
1912	3.81	2.82	3.26	3.67	10.1	8.49	20.4	16.5	16.4	11.2	7.66	5.64	10.1	1912
1913	4.16	3.74	3.07	6.00	8.84	10.5	15.7	12.1	9.99	8.19	6.52	5.34	7.88	1913
1914	3.82	3.02	3.19	4.06	4.80	7.59	7.87	6.88	6.84	6.44	5.49	3.20	5.18	1914
1915	3.04	2.66	2.70	3.82	8.46	36.8	41.2	27.9	18.3	11.6	8.89	8.80	16.6	1915
1916	3.56	3.10	4.02	8.82	9.24	41.6	25.4	21.6	21.6	18.0	9.24	8.16	14.2	1916
1917	4.47	3.28	2.80	4.61	27.8	80.1	30.6	7.03	6.42	6.84	5.27	3.78	12.9	1917
1918	3.18	2.57	2.84	4.21	8.58	8.61	8.57	8.35	7.80	6.48	4.74	3.87	5.42	1918
1919	2.91	1.77	2.08	6.48	6.42	3.33	3.74	11.6	8.05	6.38	4.83	2.24	4.80	1919
1920	2.10	1.77	1.44	3.84	17.7	7.80	21.6	10.4	6.80	---	---	---	---	1920
1928	---	---	---	---	---	---	---	---	---	---	---	5.07	---	1928
1929	3.22	2.08	2.58	8.20	11.6	38.0	9.19	6.81	6.04	6.38	3.04	2.82	7.78	1929
1930	2.52	2.68	2.18	6.28	8.86	14.4	11.6	8.08	7.00	5.80	4.41	3.84	6.41	1930
1931	2.98	3.47	2.86	3.76	4.62	6.32	5.72	6.02	6.84	4.82	3.86	3.28	4.36	1931
1932	3.08	2.76	3.03	3.47	6.20	32.6	10.4	6.88	6.16	6.88	6.46	4.07	8.08	1932
1933	2.87	2.48	3.24	6.78	10.8	8.89	7.80	7.10	6.36	6.48	6.17	3.30	6.91	1933
1934	2.84	2.48	2.46	2.86	4.14	6.11	6.26	4.88	4.81	3.78	3.38	2.82	3.72	1934
1935	2.24	2.41	2.44	2.48	3.80	6.14	6.27	6.76	6.06	4.68	3.81	3.31	4.09	1935
1936	2.71	2.26	2.82	3.83	3.80	6.43	3.88	4.70	4.31	3.31	3.04	2.80	3.82	1936
1937	1.86	1.80	1.81	3.06	3.31	7.70	7.18	6.88	6.32	6.76	4.88	3.43	4.40	1937
1938	2.88	1.88	1.76	2.81	6.32	7.21	14.1	8.32	6.13	6.17	4.22	3.83	6.42	1938
1939	3.06	2.08	4.12	3.42	2.88	14.7	10.0	6.86	6.20	6.38	4.30	3.38	6.82	1939
1940	2.82	2.14	2.43	4.78	6.28	6.86	6.21	6.18	6.46	6.03	4.34	3.77	4.24	1940
1941	3.12	2.83	2.17	2.46	3.82	6.11	3.86	6.42	6.87	6.16	6.32	4.27	4.30	1941
1942	4.06	3.47	2.86	2.80	7.61	10.2	12.3	12.3	12.0	6.76	6.41	6.13	7.36	1942
1943	3.89	3.20	6.83	6.71	6.46	6.87	6.86	7.92	6.70	6.78	4.63	3.48	6.46	1943
1944	3.82	3.22	3.23	3.06	3.78	6.88	6.27	6.87	6.87	6.68	4.34	2.86	4.84	1944
1945	3.78	1.86	2.82	3.14	10.4	12.6	6.81	6.42	7.80	7.63	5.73	4.84	6.47	1945
1946	3.86	3.86	3.41	6.30	4.88	6.08	6.24	6.14	6.88	7.17	6.07	6.30	6.18	1946
1947	4.01	2.04	4.08	6.04	11.4	17.8	11.0	11.6	6.81	6.37	6.62	6.82	6.40	1947
1948	6.66	3.74	2.86	6.81	26.6	20.6	16.6	16.2	6.83	6.44	6.12	4.04	10.4	1948
1949	2.83	1.83	2.16	6.16	4.04	6.80	4.66	4.26	4.34	4.21	3.12	2.86	6.87	1949
1950	1.46	0.877	1.24	3.06	6.80	7.36	7.46	6.16	6.26	6.16	3.40	2.26	4.47	1950
1951	1.02	1.06	2.12	3.14	8.76	16.0	16.6	14.6	23.4	13.4	9.13	6.80	10.1	1951
1952	6.11	4.42	3.46	16.6	7.06	26.0	16.6	12.7	6.17	7.66	6.10	4.10	10.2	1952
1953	3.07	2.01	2.76	4.06	13.2	26.2	16.4	10.6	7.66	6.41	4.06	2.86	6.72	1953
1954	2.66	1.84	2.66	3.97	10.6	16.0	11.1	21.2	16.0	11.6	6.22	6.61	6.26	1954
1955	3.47	3.11	2.86	4.76	6.83	6.82	12.6	6.80	6.36	6.22	3.66	3.12	6.06	1955
1956	2.40	2.67	2.36	4.06	6.06	6.67	6.46	7.42	6.41	4.66	3.73	3.06	4.80	1956
1957	2.62	2.26	2.22	4.36	7.07	7.26	6.16	6.62	6.06	6.64	4.61	3.80	4.66	1957
1958	3.22	2.44	2.31	4.56	7.62	6.67	17.2	6.06	6.26	6.66	4.76	3.66	6.64	1958
1959	2.26	2.10	2.73	3.96	6.00	10.3	6.67	6.76	6.02	7.26	6.66	4.26	6.66	1959
1960	3.66	2.66	6.60	4.70	6.64	6.60	6.67	6.62	6.17	4.66	3.61	2.76	4.73	1960
1961	2.46	1.62	1.62	2.66	6.66	6.62	7.11	7.22	6.62	6.61	4.62	3.66	4.64	1961
1962	3.10	2.27	2.24	6.10	6.07	6.67	7.26	6.62	6.16	4.66	3.66	3.02	4.61	1962
1963	2.66	2.40	2.36	3.32	3.26	7.70	6.67	7.64	6.62	6.46	4.61	3.76	6.06	1963
1964	2.77	2.64	2.26	3.17	6.66	11.4	6.66	6.62	6.32	6.46	4.13	1.31	6.24	1964
1965	1.06	2.30	2.16	3.46	4.27	16.6	20.6	16.1	13.6	10.3	6.66	6.32	6.66	1965
1966	4.14	3.27	4.24	6.61	7.37	6.66	10.4	10.0	6.62	6.06	4.61	3.66	6.13	1966
1967	3.13	2.64	2.62	3.40	16.3	20.6	10.6	6.26	6.01	4.66	3.66	3.06	7.03	1967
1968	2.32	2.21	2.67	2.61	3.66	6.46	6.46	7.64	6.62	6.67	4.66	4.26	4.77	1968
1969	2.62	2.06	2.10	6.66	6.66	14.2	23.1	10.1	7.46	6.10	4.73	3.60	7.73	1969
1970	2.06	1.66	1.76	6.34	6.62	11.6	7.66	6.76	6.26	4.61	3.61	2.62	4.66	1970
1971	2.06	2.02	1.66	3.17	3.66	6.02	6.61	6.66	6.16	4.66	3.62	2.62	4.00	1971
1972	3.30	1.66	2.61	3.76	6.62	11.1	11.4	6.60	7.67	6.26	4.60	3.76	6.66	1972
1973	3.31	3.06	2.76	6.16	12.1	12.6	6.36	7.67	6.26	6.06	4.16	3.67	6.06	1973
1974	2.64	2.60	2.30	6.06	11.2	12.7	7.61	6.16	6.76	6.60	4.67	3.60	6.16	1974
1975	2.66	2.26	2.17	3.33	4.66	4.26	6.02	6.67	4.66	4.66	3.60	3.16	3.62	1975
1976	2.62	2.26	2.16	3.61	4.06	3.62	4.66	6.66	6.76	6.61	4.60	4.26	4.26	1976
1977	3.27	2.66	2.30	3.76	4.62	4.06	4.16	6.76	6.62	6.12	4.30	3.26	3.66	1977
1978	2.66	2.26	2.66	6.76	6.26	7.67	6.67	6.67	7.62	6.06	6.11	4.07	6.62	1978
1979	2.32	2.06	2.00	3.62	6.66	4.66	4.62	6.66	4.66	3.76	2.86	2.62	3.60	1979
1980	3.00	2.02	2.01	4.26	3.02	6.66	6.26	6.66	6.66	4.66	4.06	2.26	4.66	1980
1981	2.62	2.16	2.27	2.62	14.2	11.6	16.6	16.4	6.62	6.61	4.66	3.26	7.66	1981
1982	2.66	1.61	1.66	3.26	6.76	7.11	7.01	6.21	6.30	6.26	3.66	3.07	6.60	1982
1983	2.67	2.26	2.12	6.72	---	---	---	---	---	---	---	---	---	1983
MEAN	2.86	2.47	2.66	4.66	7.66	12.6	10.6	8.22	7.66	6.26	4.66	3.76	6.31	MEAN

LOCATION - LAT 51 15 40 N
LONG 114 45 50 W

DRAINAGE AREA, 911 km²
REGULATED

GHOST RIVER NEAR COCHRANE - STATION NO. 05BE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	48.1 ON JUL 8	2.14 ON APR 22	320 000	1912
1913	---	34.8 E ON JUN 27	2.48 B ON MAR 31	249 000	1913
1914	---	9.85 ON JUN 13	2.58 B ON FEB 5	163 000	1914
1915	---	238 ON JUN 28	2.56 B ON FEB 27	483 000	1915
1916	---	108 ON JUN 20	2.83 B ON FEB 3	450 000	1916
1917	---	110 ON JUN 1	2.41 B ON FEB 21	408 000	1917
1918	---	19.4 A ON JUN 8	1.84 B ON MAR 5	171 000	1918
1919	---	70.8 E ON AUG 5	1.22 B ON FEB 28	151 000	1919
1920	---	49.8 A ON MAY 8	1.02 B ON APR 4	---	1920
1928	---	---	---	---	1928
1929	374 AT 01:00 MST ON JUN 3	227 ON JUN 3	1.98 B ON FEB 19	244 000	1929
1930	51.5 AT 12:00 MST ON JUN 20	19.4 ON JUN 20	1.83 B ON MAR 14	202 000	1930
1931	14.5 AT 21:30 MST ON JUN 17	10.6 ON JUN 19	2.27 B ON MAR 11	137 000	1931
1932	394 AT 14:30 MST ON JUN 2 *	289 ON JUN 2 *	2.48 B ON FEB 1	255 000	1932
1933	34.5 AT 09:00 MST ON JUN 18	19.1 ON JUN 18	1.78 B ON DEC 28	186 000	1933
1934	8.89 AT 05:00 MST ON JUN 9	7.83 ON JUN 9	2.27 B ON FEB 25	117 000	1934
1935	24.5 AT 10:00 MST ON JUN 29	9.51 ON JUN 30	1.84 B ON JAN 19	126 000	1935
1936	13.6 AT 13:00 MST ON JUN 15	8.89 ON JUN 10	2.18 B ON FEB 19	111 000	1936
1937	36.5 AT 23:00 MST ON JUN 14	19.9 ON JUN 15	1.80 B ON FEB 7	139 000	1937
1938	51.5 AT 24:00 MST ON JUL 2	32.8 ON JUL 3	1.59 B ON FEB 18	171 000	1938
1939	80.4 AT 01:00 MST ON JUN 30	33.4 ON JUN 30	1.47 B ON MAR 15	174 000	1939
1940	12.5 AT 11:00 MST ON JUL 27	11.8 ON JUL 27	2.01 B ON FEB 28	134 000	1940
1941	41.3 AT 10:45 MST ON AUG 25	23.6 ON AUG 25	1.78 B ON MAR 20	136 000	1941
1942	32.8 AT 13:00 MST ON JUL 30	28.9 ON JUL 30	2.78 E ON APR 6	232 000	1942
1943	---	18.7 B ON MAR 28	2.78 B ON FEB 9	203 000	1943
1944	12.8 AT 19:00 MST ON JUL 31	12.4 ON JUL 31	1.85 B ON FEB 10	167 000	1944
1945	22.7 AT 04:00 MST ON MAY 28	18.5 ON MAY 28	1.44 B ON FEB 25	204 000	1945
1946	17.5 AT 22:00 MST ON MAY 28	15.7 ON JUN 7	3.06 A ON MAR 10	195 000	1946
1947	---	39.4 A ON JUN 9	1.84 B ON FEB 16	285 000	1947
1948	93.8 AT 14:00 MST ON MAY 23	88.0 ON MAY 23	2.35 B ON MAR 28	326 000	1948
1949	10.3 AT 09:00 MST ON JUN 2	7.87 ON JUN 2	1.44 B ON JAN 21	118 000	1949
1950	46.2 AT 11:00 MST ON JUN 15	25.9 ON JUN 15	0.8508 ON JAN 19	141 000	1950
1951	84.3 AT 23:00 MST ON AUG 30	62.4 ON AUG 31	1.78 B ON JAN 18	318 000	1951
1952	140 AT 11:00 MST ON JUN 23	118 ON JUN 23	3.03 B ON MAR 9	324 000	1952
1953	98.0 AT 05:00 MST ON JUN 13	82.9 ON JUN 13	1.27 B ON FEB 17	275 000	1953
1954	---	122 E ON AUG 25	0.8218 ON FEB 25	293 000	1954
1955	30.0 AT 23:00 MST ON MAY 25	21.5 ON MAY 25	2.44 B ON MAR 23	192 000	1955
1956	18.5 AT 23:00 MST ON JUN 17	12.7 ON JUN 17	2.04 B ON MAR 10	182 000	1956
1957	25.9 AT 01:00 MST ON APR 30	18.6 ON APR 30	1.98 B ON MAR 13	153 000	1957
1958	40.8 AT 13:00 MST ON JUL 6	34.3 ON JUL 6	2.12 B ON MAR 22	210 000	1958
1959	62.4 AT 19:00 MST ON JUN 27	42.5 ON JUN 27	1.19 B ON FEB 16	186 000	1959
1960	13.1 AT 08:00 MST ON AUG 7	11.0 ON AUG 7	2.66 B ON DEC 19	149 000	1960
1961	23.8 AT 23:30 MST ON MAY 23	16.2 ON JUL 29	0.7658 ON MAR 14	153 000	1961
1962	14.6 AT 03:00 MST ON MAY 21	12.8 ON MAY 21	2.01 B ON MAR 5	152 000	1962
1963	32.3 AT 04:00 MST ON JUN 30	26.2 ON JUN 30	2.34 B ON FEB 28	159 000	1963
1964	27.8 AT 21:15 MST ON JUL 3	22.8 ON JUN 18	0.8898 ON DEC 18 *	186 000	1964
1965	78.5 AT 01:00 MST ON JUN 18	48.4 ON JUN 18	0.9038 ON JAN 18	270 000	1965
1966	31.7 AT 14:00 MST ON JUL 3	28.5 ON JUL 3	2.58 B ON MAR 3	193 000	1966
1967	190 AT 02:00 MST ON MAY 31	112 ON MAY 30	2.72 B ON DEC 31	222 000	1967
1968	13.1 AT 03:00 MST ON JUN 10	11.3 ON JUN 8	1.93 B ON JAN 31	151 000	1968
1969	---	66.2 ON JUN 29	1.98 B ON MAR 12	244 000	1969
1970	92.0 AT 07:11 MST ON JUN 14	62.8 ON JUN 15	1.30 B ON FEB 25	154 000	1970
1971	43.3 AT 07:30 MST ON JUN 6	36.1 ON JUN 6	1.81 B ON MAR 23	126 000	1971
1972	81.0 AT 09:30 MST ON JUN 24	37.4 ON JUN 24	1.81 B ON MAR 4	186 000	1972
1973	66.5 AT 09:00 MST ON MAY 26	43.6 ON MAY 26	2.46 B ON FEB 28	192 000	1973
1974	26.1 AT 23:00 MST ON JUN 16	22.8 ON JUN 16	2.12 B ON MAR 23	194 000	1974
1975	13.1 AT 12:30 MST ON JUL 30	10.0 ON JUL 30	2.03 B ON FEB 3	124 000	1975
1976	22.0 AT 13:00 MST ON AUG 5	16.0 ON AUG 5	1.93 B ON MAR 3	139 000	1976
1977	8.97 AT 12:00 MST ON MAY 24	8.85 ON MAY 24	2.04 ON MAR 24	126 000	1977
1978	36.2 AT 21:00 MST ON APR 26	20.6 ON APR 26	1.85 B ON MAR 1	176 000	1978
1979	11.7 AT 01:00 MST ON MAY 27	9.25 ON MAY 24	1.70 B ON JAN 15	120 000	1979
1980	19.7 AT 03:00 MST ON JUN 10	16.3 ON JUN 4	1.70 B ON JAN 10	145 000	1980
1981	56.3 AT 15:00 MST ON JUL 30	42.0 ON MAY 24	1.89 B ON JAN 27	235 000	1981
1982	12.2 AT 00:30 MST ON JUN 23	10.4 ON JUN 25	1.84 B ON MAR 7	139 000	1982
1983	---	---	---	---	1983
				199 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	0	0.197	0.430	0	0	0	0	0	0	---	1949
1950	0	0	0	0	0	2.83	0	0	0	0	0	0	0.241	1950
1951	0	0	0	0.028	0.820	5.19	7.72	0.748	1.95	0	0	0	1.82	1951
1952	0	0	0	0	0.067	5.88	0.242	0.018	0	0	0	0	0.575	1952
1953	0	0	0	0	1.37	16.6	5.83	0.013	0.006	0	0	0	2.07	1953
1954	0	0	0	0	0.385	5.37	5.10	3.81	1.88	0.014	0	0	1.80	1954
1955	0	0	0	0.204	0.055	5.01	1.10	0	0	0	0	0	0.809	1955
1956	0	0	0	0	1.59	2.89	0.159	0	0	0	0	0	0.385	1956
1957	0	0	0	0.002	0.041	0.044	0	0	0	0	0	0	0.007	1957
1958	0	0	0	0	0.510	0.129	0.488	0	0.005	0	0.003	0	0.098	1958
1959	0	0	0	0	0.026	0.895	0.041	0	0	0.011	0	0	0.080	1959
1960	0	0	0	0	0.015	0.279	0.101	0.084	0	0	0	0	0.040	1960
1961	0	0	0	0	4.73	3.52	0.042	0	0	0	0	0	0.894	1961
1962	0	0	0	0	1.18	0.028	0.228	0	0	0	0	0	0.122	1962
1963	0	0	0	0	0.042	3.67	1.20	0.044	0.018	0	0	0	0.413	1963
1964	0	0	0	0	0.348	12.3	1.06	0	0	0	0	0	1.13	1964
1965	0	0	0	0	0.076	11.5	8.22	1.26	0	0	0	0	1.78	1965
1966	0	0	0	0	1.74	4.19	0.982	0.012	0	0	0	0	0.575	1966
1967	0	0	0	0	2.26	12.8	1.26	0	0	0	0	0	1.36	1967
1968	0	0	0	0	0.091	0.699	0	0	0	0	0	0	0.057	1968
MEAN	0	0	0	0.012	0.778	5.10	1.75	0.291	0.183	0.001	0	0	0.707	MEAN

LOCATION - LAT 51 16 00 N
LONG 115 11 00 W REGULATED

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

GHOST RIVER OVERFLOW NEAR BLACK ROCK MOUNTAIN - STATION NO. 05BC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1949	---	0.82 ON JUN 2	0 ON APR 1 *	---	1949
1950	---	25.5 E ON JUN 15	0 ON JAN 1	7 590	1950
1951	---	27.5 ON JUN 14	0 ON JAN 1	51 200	1951
1952	---	24.4 ON JUN 23	0 ON JAN 1	18 200	1952
1953	---	57.2 ON JUN 13 *	0 ON JAN 1	65 300	1953
1954	---	20.2 ON JUN 28	0 ON JAN 1	50 400	1954
1955	---	16.5 ON JUN 12	0 ON JAN 1	19 200	1955
1956	---	19.5 ON JUN 5	0 ON JAN 1	12 200	1956
1957	---	0.396E ON JUN 6	0 ON JAN 1	230	1957
1958	---	2.04 ON MAY 21	0 ON JAN 1	3 040	1958
1959	---	4.08 E ON JUN 13	0 ON JAN 1	2 530	1959
1960	---	1.73 ON JUN 3	0 ON JAN 1	1 250	1960
1961	---	20.4 ON MAY 27	0 ON JAN 1	21 600	1961
1962	---	7.64 ON MAY 28	0 ON JAN 1	3 650	1962
1963	---	15.1 ON JUN 12	0 ON JAN 1	13 000	1963
1964	---	38.0 ON JUN 8	0 ON JAN 1	36 000	1964
1965	---	45.8 ON JUN 17	0 ON JAN 1	56 500	1965
1966	---	14.1 ON JUL 3	0 ON JAN 1	18 200	1966
1967	---	34.3 ON MAY 31	0 ON JAN 1	42 800	1967
1968	---	3.84 ON JUN 2	0 ON JAN 1	1 750	1968
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		23 300	MEAN

E - ESTIMATED

GHOSTPINE CREEK NEAR HUXLEY - STATION NO. 05CE012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0.886	1.25	0.447	0.100	0.005	0	0.010	0.003	---	---	1967
1968	---	---	0.157	0.057	0.033	---	---	0.113	0.057	0.028	---	---	---	1968
1969	---	---	0	3.89	0.531	0.118	0.159	0.077	0.167	0.207	---	---	---	1969
MEAN	---	---	0.056	1.82	0.621	0.283	0.130	0.065	0.071	0.082	0.003	---	---	MEAN

LOCATION - LAT 51 53 40 N
LONG 113 14 20 W

DRAINAGE AREA, 518 km²
NATURAL FLOW

GHOSTPINE CREEK NEAR HUXLEY - STATION NO. 05CE012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	2.77 B ON APR 21	0B ON MAR 1 *	---	1967
1968	---	0.886 ON AUG 5	0A ON JUL 18	---	1968
1969	31.4B AT 18:20 MST ON APR 8 *	18.3 B ON APR 8 *	0B ON FEB 27	---	1969
				---	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	0.818	0.310	0.100	0.178	0.323	0.876	1.14	2.28	0.778	0.330	0.408	0.385	0.654	1976
1977	0.327	0.301	0.304	0.353	0.487	1.15	2.18	2.18	0.718	0.389	0.310	0.273	0.784	1977
1978	0.228	0.238	0.230	0.283	0.388	0.888	0.827	1.37	0.584	0.441	0.386	0.278	0.489	1978
1979	0.295	0.307	0.345	0.357	0.377	0.430	0.813	1.50	2.51	0.725	0.364	0.367	0.701	1979
1980	0.381	0.422	0.400	0.505	0.621	1.10	0.795	0.504	0.504	0.423	0.355	0.339	0.529	1980
1981	0.411	0.391	0.420	0.484	0.671	0.744	0.841	0.778	0.523	0.571	0.357	0.380	0.547	1981
1982	0.437	0.415	0.484	0.482	0.523	0.938	1.38	2.08	0.782	0.540	0.529	0.455	0.782	1982
1983	0.385	0.381	0.414	0.482	0.537	0.563	0.508	1.04	3.55	0.782	0.893	0.569	0.824	1983
1984	0.484	0.407	1.02	0.934	0.818	0.757	0.888	0.627	0.835	0.555	0.540	0.447	0.841	1984
MEAN	0.394	0.352	0.411	0.444	0.503	0.808	0.898	1.38	1.17	0.541	0.437	0.383	0.654	MEAN

LOCATION - LAT 51 03 30 N
LONG 115 25 50 W
DRAINAGE AREA, 40.8 km²
REGULATED SINCE 1951
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

GOAT CREEK AT BANFF PARK BOUNDARY - STATION NO. 05BC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	3.26 ON AUG 22	0.031 ON FEB 17 *	20 600	1976
1977	4.11 AT 21:00 MST ON AUG 8	3.85 ON AUG 7	0.1988 ON DEC 31	23 600	1977
1978	---	1.50 ON AUG 20	0.1428 ON FEB 13	14 800	1978
1979	---	3.34 ON SEP 9	0.1708 ON JAN 3	22 100	1979
1980	---	1.59 ON JUN 19	0.2278 ON DEC 4	15 700	1980
1981	---	1.98 ON OCT 29	0.320 ON NOV 10	17 300	1981
1982	---	3.82 ON AUG 22	0.2838 ON FEB 3	24 000	1982
1983	4.80 ON SEP 23 *	4.03 ON SEP 19 *	0.321 ON FEB 3	26 000	1983
1984	2.04 AT 14:00 MST ON APR 15	1.38 ON APR 15	0.2838 ON JAN 17	20 300	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		20 600	MEAN

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.518	---	---	---	1975
1976	---	---	---	---	1.21	0.758	0.583	2.06	0.707	0.559	---	---	0.985	1976
1977	---	---	---	---	0.453	0.353	0.294	0.298	0.368	0.389	---	---	0.354	1977
1978	---	---	---	0.424	1.84	1.58	1.05	0.888	0.534	0.446	---	---	0.985	1978
1979	---	---	---	---	1.80	0.986	0.569	0.435	0.402	0.381	---	---	0.711	1979
1980	---	---	---	---	0.741	0.798	0.483	0.389	0.378	0.370	---	---	0.529	1980
1981	---	---	---	---	2.84	2.05	0.996	0.687	0.521	0.485	---	---	1.28	1981
1982	---	---	---	0.380	1.05	1.05	0.626	0.426	0.400	0.414	---	---	0.686	1982
1983	---	---	0.277	0.400	0.678	0.692	0.520	0.368	0.318	0.312	0.278	---	0.515	1983
1984	---	---	---	0.280	0.533	0.691	0.434	0.330	0.311	0.322	0.286	---	0.438	1984
MEAN	---	---	0.277	0.374	1.21	0.998	0.618	0.632	0.437	0.414	0.282	---	0.718	MEAN

LOCATION - LAT 49 36 06 N
LONG 114 24 00 W
DRAINAGE AREA, 82.9 km²
NATURAL FLOW

GOLD CREEK NEAR FRANK - STATION NO. 05AA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	12.4 AT 18:40 MST ON AUG 5 *	7.18 ON AUG 5 *	0.501 ON JUL 28	15 700	1976
1977	0.621 AT 10:00 MST ON MAY 10	0.486 ON MAY 11	0.252 ON AUG 1	8 630	1977
1978	3.20 AT 03:00 MST ON JUN 6	3.03 ON MAY 22	0.418 ON OCT 30	15 700	1978
1979	3.16 AT 01:30 MST ON MAY 25	2.99 ON MAY 25	0.344E ON OCT 31	11 300	1979
1980	---	1.25 ON MAY 1	0.333 ON SEP 10	8 420	1980
1981	7.27 AT 19:10 MST ON MAY 22	6.58 ON MAY 23	0.442A ON OCT 27	20 000	1981
1982	1.76 AT 02:26 MST ON MAY 26	1.73 ON MAY 26	0.385 ON SEP 7	10 600	1982
1983	1.43 AT 11:55 MST ON MAY 26	1.41 ON MAY 26	0.268 ON OCT 31	8 180	1983
1984	0.935 AT 08:02 MST ON MAY 15	0.882 ON MAY 15	0.2228 ON OCT 31 *	8 930	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		11 400	MEAN

GRABURN CREEK NEAR THE MOUTH - STATION NO. 11AP111

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	0.203	0.017	---	---	---	---	---	---	1987
MEAN	---	---	---	---	---	0.203	0.017	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 38 40 N
LONG 110 01 40 W
DRAINAGE AREA, 42.0 km²
NATURAL FLOW

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	---	0.241	0.054	---	---	---	1969
1970	---	---	0	2.21	0.731	0.022	0	0	0	0	---	---	0.385	1970
1971	---	---	0	0.488	0.117	2.48	1.01	0.001	0	0	---	---	0.505	1971
1972	---	---	0.002	---	---	0.023	0.008	0	0.017	0.128	---	---	---	1972
1973	---	---	0.004	3.81	1.01	0.188	0.002	0	0	0.008	---	---	0.820	1973
1974	---	---	0	5.36	3.07	0.089	0.181	0	0	0.001	---	---	1.08	1974
1975	---	---	0	0.867	0.888	0.051	0.031	0	0	0	---	---	0.227	1975
1976	---	---	0	3.23	0.367	1.01	0.234	1.43	0.085	0.038	---	---	0.856	1976
1977	---	---	0.003	3.05	2.80	0.881	0.188	0.002	0.001	0.082	---	---	0.801	1977
1978	---	---	0.001	1.04	0.781	0.115	0.001	0.001	0	0	---	---	0.248	1978
1979	---	---	0	1.24	2.12	0.358	0.414	0.002	0	0	---	---	0.515	1979
1980	---	---	0	0.118	0.038	0.044	0.002	0	0.001	0.001	---	---	0.025	1980
1981	---	---	0.007	1.48	0.534	0.093	0	0	0	0	---	---	0.258	1981
1982	---	---	0	0.525	1.03	0.081	0	0.248	0	0	---	---	0.248	1982
1983	---	---	0	0.880	0.353	0.883	2.77	0.050	0	0	---	---	0.614	1983
1984	---	---	0.187	0.040	0.815	0.885	0.030	0	0.001	0	---	---	0.255	1984
MEAN	---	---	0.018	1.87	1.03	0.482	0.321	0.118	0.022	0.018	---	---	0.459	MEAN

LOCATION - LAT 55 22 28 N, LONG 118 54 50 W DRAINAGE AREA, 152 km² NATURAL FLOW

GRANDE PRAIRIE CREEK NEAR SEXSMITH - STATION NO. 07GE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	0 ON SEP 1 *	---	1969
1970	---	5.04 B ON APR 18	0B ON MAR 1	7 740	1970
1971	18.7 AT 24:00 MST ON JUN 28	12.6 ON JUN 18	0B ON MAR 1	10 700	1971
1972	---	---	0B ON MAR 1	---	1972
1973	11.0 A AT 21:00 MST ON APR 20	8.98 ON APR 23	0B ON MAR 8	13 100	1973
1974	26.3 AT 24:00 MST ON APR 25 *	24.0 ON APR 25 *	0B ON MAR 1	22 800	1974
1975	4.63 AT 23:00 MST ON APR 22	2.77 ON APR 23	0B ON MAR 1	4 810	1975
1976	18.6 AT 10:00 MST ON APR 12	12.3 ON APR 12	0B ON MAR 1	13 800	1976
1977	22.4 AT 10:30 MST ON APR 8	17.3 ON APR 9	0 ON SEP 22	17 000	1977
1978	5.32 AT 13:00 MST ON APR 28	4.67 ON APR 29	0B ON MAR 1	5 280	1978
1979	18.8 B AT 23:30 MST ON APR 27	13.7 ON APR 28	0B ON MAR 1	10 800	1979
1980	---	0.550A ON APR 15	0B ON MAR 1	534	1980
1981	8.808 AT 22:00 MST ON APR 18	5.48 B ON APR 20	0B ON MAR 1	5 470	1981
1982	5.05 AT 20:30 MST ON APR 28	5.36 ON APR 29	0B ON MAR 1	5 280	1982
1983	10.5 AT 04:00 MST ON JUL 21	6.26 ON JUL 21	0B ON MAR 1	13 000	1983
1984	5.74 AT 00:00 MST ON JUN 6	5.58 ON JUN 6	0B ON MAR 1	5 400	1984
				8 710	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GRAYBACK COULEE NEAR ORION - STATION NO. 05AF022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	0.027	0.101	0	---	---	---	---	---	---	---	---	1922
1923	---	---	0.327	0.001	0	0.066	0	---	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	---	1924
1925	---	0.008	0.087	0.011	0	0	0	0	0	0	---	---	---	1925
MEAN	---	0.008	0.113	0.038	0	0.038	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 13 50 N, LONG 110 52 30 W DRAINAGE AREA, 78.7 km² NATURAL FLOW

GRAYBACK COULEE NEAR ORION - STATION NO. 05AF022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	0.578 ON APR 3	0 ON MAR 1 *	---	1922
1923	---	1.03 B ON MAR 30 *	0 ON APR 5	---	1923
1924	---	---	0B ON MAR 1	---	1924
1925	---	0.705 ON MAR 22	0B ON FEB 1	---	1925
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

GREGG RIVER NEAR HINTON - STATION NO. 07AF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	3.81	8.70	2.70	1.18	4.81	7.81	---	---	4.83	1984
MEAN	---	---	---	---	3.81	8.70	2.70	1.18	4.81	7.81	---	---	4.83	MEAN

LOCATION - LAT 53 15 06 N, LONG 117 21 30 W DRAINAGE AREA, 381 km² DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

GREGG RIVER NEAR HINTON - STATION NO. 07AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	31.7 AT 23:57 MST ON OCT 4 *	30.4 ON OCT 5 *	0.765 ON AUG 26 *	76 900	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		76 900	MEAN

GROS VENTRE CREEK AT TOTHILL'S RANCH - STATION NO. 05AH005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	0.111	0.018	0	0	0	0.004	---	---	---	1912
1913	---	---	---	0.788	0.051	0.003	0.001	0	0	0	---	---	---	1913
1914	---	---	---	0.370	0.035	0.003	0	0	0.002	0.055	---	---	---	1914
MEAN	---	---	---	0.579	0.066	0.007	0	0	0.001	0.020	---	---	---	MEAN

LOCATION - LAT 49 45 20 N DRAINAGE AREA, 93.2 km^2
LONG 110 27 50 W NATURAL FLOW

GROS VENTRE CREEK AT TOTHILL'S RANCH - STATION NO. 05AH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	0 ON JUN 22 *	---	1912
1913	---	3.37 ON APR 5	0 ON JUN 2	---	1913
1914	---	4.11 ON MAR 30 *	0 ON MAY 28	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

GROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.344	1.14	0.145	0.008	0.003	0	0	0	---	---	0.203	1921
1922	---	---	0.188	2.92	0.354	0.010	0.010	0	0	0	---	---	0.429	1922
1944	---	---	0	0.006	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.358	0	0	0	---	---	---	---	---	---	---	1945
1946	---	---	0.843	0.373	0.005	0.002	---	---	---	---	---	---	---	1946
1947	---	---	2.21	0.728	0.082	0.051	---	---	---	---	---	---	---	1947
1948	---	---	0.834	2.41	0.237	0.001	---	---	---	---	---	---	---	1948
1949	---	---	0.238	0.048	0.001	0	---	---	---	---	---	---	---	1949
1950	---	---	0.358	0.288	0.011	0	---	---	---	---	---	---	---	1950
1951	---	---	1.80	2.13	0.248	0.139	---	---	---	---	---	---	---	1951
1952	---	---	2.24	2.81	0.115	0.002	---	---	---	---	---	---	---	1952
1953	---	---	1.25	1.80	0.828	1.70	---	---	---	---	---	---	---	1953
1954	---	---	0.002	1.02	0.108	0.138	---	---	---	---	---	---	---	1954
1955	---	---	1.04	4.36	1.17	0.083	---	---	---	---	---	---	---	1955
1956	---	---	1.28	0.388	0.158	0.006	---	---	---	---	---	---	---	1956
1957	---	0.188	1.83	1.80	0.195	0.005	---	---	---	---	---	---	---	1957
1958	---	---	0.531	0.311	0.013	0.005	---	---	---	---	---	---	---	1958
1959	---	---	0.780	0.188	0.027	0.003	---	---	---	---	---	---	---	1959
1960	---	---	1.21	0.118	0.132	0.008	0.003	0	0	0	---	---	0.185	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.445	0.007	0	0	0	0	0	0	---	---	0.057	1962
1963	---	---	0.271	0.004	0	0	0.267	0	0	0	---	---	0.069	1963
1964	---	---	0.187	0.231	0.810	0	0	0	0	0	---	---	0.188	1964
1965	---	0.238	0.108	2.43	0.081	0.878	0.782	0	0.018	0	---	---	0.480	1965
1966	---	---	1.44	0.270	0.067	0.427	0.014	0	0	0	---	---	0.278	1966
1967	---	---	1.88	1.05	2.38	0.088	0.005	0	0	0	---	---	0.888	1967
1968	---	---	0.268	0.128	0.114	0.018	0.002	0	0	0	---	---	0.068	1968
1969	---	---	0.578	0.838	0.028	0.002	0	0	0	0	---	---	0.208	1969
1970	---	---	0.228	1.02	0.080	0.054	0.028	0	0	0	---	---	0.171	1970
1971	---	0.838	0.871	1.18	0.044	0.043	0	0	0	0	---	---	0.241	1971
1972	---	---	1.02	0.024	0.028	0.001	0	0	0	0	---	---	0.138	1972
1973	---	0.048	0.158	0.108	0.038	0.268	0	0	0	0	---	---	0.078	1973
1974	---	---	0.888	0.381	0.150	0.033	0.001	0	0	0	---	---	0.181	1974
1975	---	---	0	1.28	1.38	---	---	0	0	0	---	---	---	1975
1976	---	---	0.575	0.328	0.014	0.002	0	0	0	0	---	---	0.118	1976
1977	---	---	0	0	0.001	0	0	0	0	0	---	---	0	1977
1978	---	---	0.552	0.428	0.110	0.018	0.058	0	0	0	---	---	0.145	1978
1979	---	---	1.88	0.882	0.220	0	0	0	0	0	---	---	0.324	1979
1980	---	---	0.064	0.021	0	0	0	0	0	0	---	---	0.011	1980
1981	---	0.068	0.003	0.015	0.009	0.054	0	0	0	0	---	---	0.010	1981
1982	---	0.223	0.678	1.25	0.138	0.832	0.005	0.002	0	0.002	---	---	0.271	1982
1983	---	0.357	0.087	0.038	0.433	0.003	0.001	0	0	0	---	---	0.070	1983
1984	---	0	0.026	0.018	0	0	0	0	0	0	---	---	0.005	1984
MEAN	---	0.207	0.678	0.781	0.223	0.111	0.044	0	0.001	0	---	---	0.178	MEAN

LOCATION - LAT 49 53 20 N DRAINAGE AREA, 215 km^2
LONG 110 30 20 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963 AND 1971

CROS VENTRE CREEK NEAR DUNMORE - STATION NO. 05AH037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	7.50 ON APR 14	0 ON MAR 1 *	4 300	1921
1922	---	10.4 ON APR 21	0 B ON MAR 1	8 080	1922
1944	0.071 AT 09:00 MST ON APR 2	0.059 ON APR 2	0 B ON MAR 1	---	1944
1945	1.70 B AT 09:00 MST ON MAR 12	1.47 B ON MAR 12	0 B ON MAR 1	---	1945
1946	2.38 ON MAR 2	2.07 ON MAR 2	0.003 ON MAY 7	---	1946
1947	---	9.77 ON MAR 22	0 B ON MAR 1	---	1947
1948	---	22.0 ON APR 17	0 B ON MAR 1	---	1948
1949	---	0.6788 ON MAR 6	0 B ON MAR 13	---	1949
1950	2.58 AT 08:20 MST ON APR 2	2.46 ON APR 2	0 B ON MAR 1	---	1950
1951	11.8 AT 19:00 MST ON MAR 29	10.1 ON MAR 29	0 B ON MAR 1	---	1951
1952	24.5 ON APR 7	17.8 ON APR 8	0 B ON MAR 1	---	1952
1953	20.6 AT 19:30 MST ON JUN 3	17.6 ON JUN 3	0 B ON MAR 1	---	1953
1954	13.1 AT 17:00 MST ON APR 9	8.76 ON APR 9	0 B ON MAR 1	---	1954
1955	36.5 ON APR 8 *	25.3 ON APR 8 *	0 B ON MAR 1	---	1955
1956	---	5.29 B ON MAR 28	0 B ON MAR 1	---	1956
1957	---	7.59 B ON MAR 11	0.003 ON MAY 31	---	1957
1958	---	4.30 ON MAR 30	0 B ON MAR 1	---	1958
1959	3.31 AT 09:00 MST ON MAR 27	2.80 B ON MAR 18	---	---	1959
1960	---	8.85 B ON MAR 20	0 B ON MAR 1	3 900	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	---	2.62 B ON MAR 20	0 B ON MAR 1	1 210	1962
1963	---	8.67 ON JUL 4	0 ON MAR 18	1 650	1963
1964	---	8.85 ON MAY 8	0 B ON MAR 1	3 300	1964
1965	---	11.8 ON APR 10	0 B ON MAR 18	10 400	1965
1966	---	5.86 B ON MAR 11	0 B ON MAR 1	8 880	1966
1967	---	20.9 ON MAY 7	0 B ON MAR 7	14 100	1967
1968	---	1.59 ON MAR 2	0 E ON JUL 12	1 380	1968
1969	---	5.49 ON MAR 17	0 B ON MAR 1	4 330	1969
1970	19.1 AT 08:30 MST ON APR 7	12.3 ON APR 7	0 B ON MAR 1	3 830	1970
1971	---	4.47 ON APR 7	0 ON MAY 30	8 110	1971
1972	---	8.85 ON MAR 16	0 B ON MAR 1	2 880	1972
1973	---	2.28 ON JUN 16	0 ON JUN 4	1 490	1973
1974	10.2 B AT 01:00 MST ON MAR 28	5.72 B ON MAR 29	0 B ON MAR 1	3 830	1974
1975	---	8.06 ON MAY 7	0 B ON MAR 1	---	1975
1976	---	5.47 B ON MAR 18	0 B ON MAR 1	2 440	1976
1977	---	0.004E ON MAY 16	0 B ON MAR 1	1.85	1977
1978	---	2.72 ON MAR 27	0 B ON MAR 1	3 080	1978
1979	---	7.16 B ON MAR 7	0 B ON MAR 1	8 880	1979
1980	---	0.2448 ON MAR 16	0 B ON MAR 1	225	1980
1981	---	0.672 ON JUN 16	0 ON MAR 1	213	1981
1982	---	8.48 B ON APR 13	0 ON SEP 3	7 660	1982
1983	8.38 AT 18:51 MST ON MAY 15	3.31 ON MAY 15	0 ON JUN 25	1 470	1983
1984	---	0.1638 ON MAR 28	0 B ON MAR 1	121	1984
				3 790	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	0	---	---	---	---	---	1922
1957	---	---	---	---	0.234	0.172	0.081	0.072	0.088	0.080	---	---	0.124	1957
1958	---	---	---	---	0.718	0.441	0.207	0.168	0.112	0.070	---	---	0.286	1958
1959	---	---	---	---	0.036	0.201	0.188	0.187	0.484	0.241	---	---	0.221	1959
1960	---	---	---	---	0.532	0.280	0.140	0.020	0.140	0.175	---	---	0.214	1960
1961	---	---	---	---	0.378	0.284	0.064	0.044	0.211	0.228	---	---	0.198	1961
1962	---	---	---	---	0.188	0.160	0.084	0.047	0.188	0.186	---	---	0.144	1962
1963	---	---	---	---	0.062	0.189	0.311	0.247	0.409	0.348	---	---	0.261	1963
1964	---	---	---	---	0.418	0.304	0.513	0.098	0.439	0.388	---	---	0.367	1964
1965	---	---	---	---	0.488	1.73	1.52	1.27	0.852	0.543	---	---	1.08	1965
1966	---	---	---	---	0.388	0.031	0.586	0.228	0.205	0.765	---	---	0.376	1966
1967	---	---	---	---	1.30	1.12	0.458	0.192	0.090	0.034	---	---	0.532	1967
1968	---	---	---	---	0.078	0.288	0.378	0.442	0.386	0.314	---	---	0.311	1968
1969	---	---	---	---	0.886	0.450	0.486	0.273	0.181	0.328	---	---	0.386	1969
1970	---	---	---	---	0.337	0.809	0.433	0.103	0.044	0.050	---	---	0.286	1970
1971	---	---	---	---	1.37	1.16	0.139	0.027	0.052	0.218	---	---	0.489	1971
1972	---	---	---	---	0.270	0.401	0.737	0.350	0.408	0.170	0.186	---	0.388	1972
1973	---	---	---	---	1.07	0.426	0.388	0.279	0.535	0.543	0.416	0.113	0.542	1973
1974	---	---	---	---	1.41	1.37	0.389	0.884	0.583	0.481	0.083	---	0.814	1974
1975	---	---	---	---	1.11	1.06	0.371	0.110	0.112	0.218	0.110	---	0.482	1975
1976	---	---	---	---	0.314	0.321	0.385	0.261	0.388	0.285	0.388	---	0.316	1976
1977	---	---	---	---	0.021	0.038	0.051	0.338	0.227	0.306	0.098	---	0.163	1977
1978	---	---	---	---	0.453	0.488	0.234	0.310	0.821	0.341	---	---	0.439	1978
1979	---	---	---	---	0.087	0.054	0.413	0.288	0.158	0.014	---	---	0.173	1979
1980	---	---	---	---	---	0.524	0.384	0.807	0.342	0.230	0.042	---	---	1980
1981	---	---	---	---	0.248	0.080	0.518	0.068	0.183	0.271	---	---	0.224	1981
1982	---	---	---	---	0.123	0.234	0.429	0.238	0.218	0.293	0.087	---	0.284	1982
1983	---	---	---	---	0.148	0.110	---	0.078	---	0.088	0.020	---	---	1983
1984	---	---	---	---	0.014	0.201	0.148	0.528	0.636	0.288	0.124	0.038	0.281	1984
MEAN	---	---	---	---	0.483	0.481	0.370	0.268	0.313	0.285	0.151	0.078.	0.381	MEAN

LOCATION - LAT 50 51 20 N
LONG 113 08 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1960, 1962 AND 1971

HAMMER HILL SPILLWAY NEAR GLEICHEN - STATION NO. 05BM005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	---	0 ON AUG 1 *	---	1922
1957	---	0.286 ON MAY 17	0.085 ON AUG 5	1 970	1957
1958	---	1.42 ON MAY 7	0.003 ON JUL 20	4 940	1958
1959	---	1.04 ON JUN 27	0 ON MAY 1	3 510	1959
1960	---	0.671 ON MAY 18	0 ON AUG 7	3 400	1960
1961	---	0.691 ON MAY 13	0 ON AUG 8	3 150	1961
1962	---	0.380 ON MAY 4	0.014 ON AUG 17	2 280	1962
1963	---	0.680 ON JUN 22	0.023 ON JUN 21	4 140	1963
1964	---	0.762 ON JUL 11	0 ON AUG 22	5 870	1964
1965	---	2.86 ON JUN 26	0.026 ON OCT 31	17 200	1965
1966	---	1.61 ON JUL 12	0 ON MAY 14	8 960	1966
1967	---	1.47 ON MAY 26	0 ON OCT 7	8 460	1967
1968	---	0.677 ON SEP 22	0.046 ON MAY 24	4 950	1968
1969	---	1.20 ON JUN 28	0.096 ON SEP 2	8 280	1969
1970	---	4.45 ON JUN 17 *	0.021A ON AUG 10	4 890	1970
1971	---	1.03 ON MAY 26	0.007 ON SEP 18	7 930	1971
1972	---	1.17 ON JUL 13	0.027 ON OCT 26	8 190	1972
1973	---	1.28 ON MAY 7	0.012 ON MAY 31	8 820	1973
1974	---	3.06 ON MAY 30	0.061 ON SEP 2	12 900	1974
1975	---	1.61 ON MAY 14	0.026 ON JUL 27	7 820	1975
1976	---	0.889 ON JUN 27	0.144 ON AUG 2	5 030	1976
1977	---	3.06 ON AUG 18	0 ON MAY 1	2 590	1977
1978	---	1.30 ON SEP 18	0.110 ON JUL 28	6 970	1978
1979	---	0.606 ON JUL 14	0.001 ON OCT 14	2 760	1979
1980	---	0.821 ON JUN 27	---	---	1980
1981	---	0.615 ON JUL 8	0 ON JUN 8	3 580	1981
1982	---	0.789A ON JUL 7	0.036 ON MAY 25	4 040	1982
1983	---	---	---	---	1983
1984	---	0.868 ON SEP 7	0.001 ON MAY 12	4 480	1984
				5 730	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HAMMER HILL SPILLWAY NEAR STOBART - STATION NO. 05BM011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	0.183	0.183	---	---	---	1981
1982	---	---	---	---	1.91	0.761	0.083	0.083	0.027	0.083	---	---	---	1982
1983	---	---	---	---	0.008	0.027	0.183	0.401	0.738	0.827	---	---	---	1983
MEAN	---	---	---	---	0.758	0.394	0.083	0.302	0.313	0.338	---	---	---	MEAN

LOCATION - LAT 50 54 00 N
LONG 113 03 00 W REGULATED

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	8.84	3.55	4.30	2.50	5.71	3.96	---	---	---	1965
1966	---	---	---	3.84	18.8	17.3	5.69	2.23	2.06	3.86	---	---	---	1966
1967	---	---	---	---	17.0	3.67	7.76	13.6	2.63	2.15	---	---	---	1967
1968	---	---	---	---	5.48	4.78	6.67	2.81	4.01	5.99	---	---	---	1968
1969	---	---	---	20.0	9.04	7.30	1.76	2.06	11.1	8.85	---	---	---	1969
1970	0.289	0.229	0.163	6.97	13.1	11.6	26.2	7.06	20.5	7.66	3.12	0.606	6.16	1970
1971	0.466	0.365	0.362	12.9	4.03	3.30	3.86	1.86	1.12	1.28	0.769	0.584	3.05	1971
1972	0.542	0.400	0.417	3.06	16.1	4.64	2.62	1.07	0.763	2.12	1.00	0.800	3.01	1972
1973	0.466	0.414	0.340	3.21	4.18	20.5	5.67	13.9	4.01	7.94	3.78	1.25	6.48	1973
1974	0.600	0.365	0.446	17.8	18.0	8.86	10.6	2.67	2.70	2.42	1.23	0.706	5.17	1974
1975	0.275	0.086	0.316	3.04	13.7	10.0	6.03	6.36	12.0	7.18	3.03	0.672	5.31	1975
1976	0.404	0.305	0.413	6.03	1.84	3.78	6.17	16.4	10.2	8.35	1.87	0.648	5.00	1976
1977	0.316	0.314	0.428	7.14	12.3	8.06	6.61	5.28	2.63	3.59	1.47	0.384	4.30	1977
1978	0.385	0.327	0.384	4.68	8.22	6.21	1.44	2.09	13.8	---	---	0.678	---	1978
1979	0.387	0.302	0.340	1.68	15.1	9.87	3.59	3.30	7.83	3.33	1.08	0.674	4.06	1979
1980	0.284	0.068	0.068	3.53	1.06	2.17	1.00	17.1	15.1	4.88	1.18	0.172	3.66	1980
1981	0.068	0.137	0.280	1.87	4.28	3.48	6.37	1.12	0.363	1.18	0.770	0.478	1.63	1981
1982	0.218	0.177	0.368	3.18	11.6	3.08	3.35	3.82	1.03	1.18	0.614	0.338	2.48	1982
1983	0.332	0.318	0.327	4.63	3.31	3.43	4.28	3.25	3.33	3.29	1.48	0.610	2.38	1983
1984	0.181	0.148	0.183	3.44	8.08	13.8	8.38	1.81	3.02	3.30	1.08	0.588	3.14	1984
MEAN	0.342	0.263	0.301	6.06	9.81	7.81	6.71	5.48	6.83	4.13	1.80	0.684	4.15	MEAN

LOCATION - LAT 56 42 15 N DRAINAGE AREA, 950 km^2
LONG 111 21 30 W NATURAL FLOW

HANGINGSTONE RIVER AT FORT MCMURRAY - STATION NO. 07CD004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	19.4 ON JUL 2	0 B ON MAR 12 *	---	1965
1966	---	76.2 ON MAY 23	---	---	1966
1967	---	52.1 ON AUG 3	---	---	1967
1968	---	18.1 ON JUN 30	---	---	1968
1969	---	56.4 ON APR 20	---	---	1969
1970	---	135 ON JUL 2 *	0.0678 ON APR 4	257 000	1970
1971	---	48.48 ON APR 22	0.3388 ON MAR 5	96 200	1971
1972	---	38.4 ON MAY 2	0.3388 ON MAR 5	95 100	1972
1973	---	59.2 ON JUN 17	0.2638 ON APR 6	204 000	1973
1974	---	85.8 ON APR 26	0.3438 ON FEB 6	183 000	1974
1975	---	28.9 ON MAY 27	0.0858 ON FEB 4	167 000	1975
1976	---	127 ON AUG 26	0.1848 ON FEB 12	180 000	1976
1977	---	26.5 ON MAY 30	0.1888 ON FEB 8	138 000	1977
1978	---	25.3 ON SEP 10	0.1708 ON MAR 1	---	1978
1979	---	26.0 ON MAY 14	0.2008 ON MAR 1	128 000	1979
1980	---	43.4 ON AUG 5	0.0128 ON MAR 3	122 000	1980
1981	---	16.1 ON JUL 23	0.0858 ON JAN 28	61 800	1981
1982	---	23.08 ON APR 30	0.1708 ON JAN 29	78 500	1982
1983	---	12.08 ON APR 19	0.1708 ON DEC 31	78 100	1983
1984	52.8 AT 18:59 MST ON JUN 2 *	48.2 ON JUN 2	0.1488 ON FEB 16	89 500	1984
				131 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	5.57	2.98	7.83	4.18	1.08	0.110	---	1975
1976	0.030	0.024	0.032	2.47	0.809	0.136	0.333	0.883	2.32	2.15	0.408	0.018	0.788	1976
1977	0.007	0.008	0.008	1.57	1.11	1.08	1.09	0.427	0.804	0.885	0.301	0.021	0.838	1977
1978	0.007	0.008	0.010	0.828	2.87	1.49	0.354	1.86	8.22	5.88	1.11	0.186	1.87	1978
1979	0.013	0.008	0.028	1.02	8.73	2.38	0.877	1.86	2.58	1.88	0.883	0.043	1.48	1979
1980	0.012	0.004	0.005	0.749	0.202	0.020	0.028	0.888	3.48	2.18	0.601	0.032	0.879	1980
1981	0.024	0.010	0.012	0.182	0.881	0.844	1.31	0.103	0.051	0.121	0.044	0.017	0.287	1981
1982	0.005	0.004	0.005	0.216	2.88	1.01	0.488	0.488	0.285	0.123	0.001	0	0.437	1982
1983	0	0	0	0.328	0.384	0.388	0.403	0.179	0.038	0.038	0.051	0.004	0.181	1983
1984	0.002	0	0.002	0.104	0.251	0.430	1.05	1.00	1.83	1.88	0.386	0.034	0.874	1984
MEAN	0.011	0.007	0.011	0.841	1.73	0.880	1.27	1.03	2.77	1.87	0.488	0.043	0.772	MEAN

LOCATION - LAT 57 15 34 N LONG 111 27 53 W DRAINAGE AREA, 388 km^2 NATURAL FLOW

HARTLEY CREEK NEAR FORT MACKAY - STATION NO. 07DA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	14.9 AT 20:00 MST ON JUL 20 *	14.6 ON JUL 20 *	---	---	1975
1976	---	5.04 B ON APR 12	0.0068 ON DEC 27	24 200	1976
1977	4.13 B AT 19:00 MST ON APR 19	3.77 B ON APR 19	0.0068 ON JAN 16	20 000	1977
1978	14.8 AT 18:50 MST ON SEP 10	14.6 ON SEP 11	0.0068 ON JAN 12	62 100	1978
1979	8.87 AT 19:00 MST ON MAY 20	7.68 ON MAY 20	0.0068 ON JAN 22	45 800	1979
1980	---	4.20 E ON SEP 23	0.0048 ON FEB 5	31 500	1980
1981	2.30 AT 13:05 MST ON JUL 17	2.28 ON JUL 17	0.0068 ON FEB 14	8 070	1981
1982	3.87 AT 15:59 MST ON MAY 20	3.84 ON MAY 21	0 B ON NOV 6 *	13 800	1982
1983	0.849 AT 12:48 MST ON APR 27	0.818 ON APR 27	0 B ON JAN 1	4 750	1983
1984	2.35 AT 18:05 MST ON OCT 22	2.38 ON OCT 23	0 B ON FEB 1	18 200	1984
				24 400	MEAN

B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HASTINGS CREEK NEAR LINDBROOK - STATION NO. 05EB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.587	0.808	0.388	0.221	0.252	0.210	---	---	---	1918
1920	---	---	---	0.011	0.005	0.017	0.011	0	---	---	---	---	---	1920
1921	---	---	0.004	0.108	0.030	0	0	0	0	0	---	---	---	1921
1922	---	---	0	0.005	0	0	0	0	0	0	---	---	---	1922
MEAN	---	---	0.002	0.042	0.161	0.188	0.084	0.055	0.074	0.070	---	---	---	MEAN

LOCATION - LAT 53 24 31 N LONG 112 48 38 W DRAINAGE AREA, 295 km^2 NATURAL FLOW

HASTINGS CREEK NEAR LINDBROOK - STATION NO. 05EB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	---	---	1918
1920	---	0.074 ON APR 23	0 ON APR 1 *	---	1920
1921	---	0.210 ON APR 14 *	0B ON MAR 1	---	1921
1922	---	0.042 ON APR 5	0 ON MAR 1	---	1922
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	48.8	---	---	---	1974
1975	---	---	1.08	33.4	181	128	103	49.7	36.0	32.7	---	---	85.1	1975
1976	---	---	1.87	97.2	186	215	235	280	210	181	---	---	169	1976
1977	---	---	5.00	101	266	413	431	283	171	121	---	---	242	1977
1978	---	---	2.09	13.7	255	185	97.8	84.1	127	80.4	---	---	104	1978
1979	---	---	0.826	0.771	352	431	278	161	118	92.8	---	---	178	1979
1980	---	---	1.18	28.4	28.0	21.8	21.0	23.4	17.8	20.2	---	---	21.8	1980
1981	---	---	0.422	13.6	284	86.4	33.1	8.93	4.38	3.37	---	---	54.5	1981
1982	---	---	0.140	0.975	273	133	42.5	19.4	18.1	11.8	---	---	61.0	1982
1983	---	---	0.405	38.6	227	149	74.2	50.5	25.2	13.7	---	---	72.5	1983
1984	---	---	0.635	18.2	84.8	132	226	81.5	132	83.8	---	---	92.2	1984
MEAN	---	---	1.38	33.6	206	208	184	95.7	86.9	81.8	---	---	106	MEAN

LOCATION - LAT 59 08 58 N DRAINAGE AREA, 38 000 km^2
LONG 117 38 03 W NATURAL FLOW

HAY RIVER NEAR MEANDER RIVER - STATION NO. 07OB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	252 AT 01:00 MST ON JUN 1	249 ON JUN 1	0.8618 ON MAR 28	1 250 000	1975
1976	534 AT 13:00 MST ON AUG 23	516 ON AUG 23	1.32 B ON MAR 1	3 880 000	1976
1977	676 AT 12:00 MST ON JUN 18 *	676 ON JUN 18 *	3.77 B ON APR 8	5 130 000	1977
1978	428 AT 00:30 MST ON MAY 5	422 ON MAY 5	1.23 B ON APR 11	2 210 000	1978
1979	700 AT 14:00 MST ON JUN 3	700 ON JUN 3	0.5038 ON APR 17	3 770 000	1979
1980	1188 AT 03:00 MST ON APR 23	1020 ON APR 23	1.08 B ON MAR 1	485 000	1980
1981	887 AT 00:00 MST ON MAY 5	563 ON MAY 5	0.1008 ON MAR 9	1 180 000	1981
1982	371 AT 11:00 MST ON MAY 8	370 ON MAY 8	0.0808 ON MAR 1 *	1 280 000	1982
1983	3068 AT 04:00 MST ON APR 29	3008 ON APR 29	0.3258 ON APR 3	1 840 000	1983
1984	383 AT 03:00 MST ON JUL 13	358 ON JUL 13	0.5708 ON MAR 23	1 950 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 250 000	MEAN

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	0.013	0.009	---	---	---	1978
1979	---	---	0.343	0.184	0.087	0.028	0.017	0	0	0	---	---	0.084	1979
1980	---	---	0	0.508	0	0	0	0	0	0	---	---	0.082	1980
1981	---	---	0.158	0.080	0.033	0	0	0.003	0	0	---	---	0.032	1981
1982	---	---	0	1.35	0.017	0.016	0.043	0.018	0.010	0	---	---	0.178	1982
1983	---	---	0.033	0.084	0.001	0.002	0.378	0.006	0	0	---	---	0.062	1983
1984	---	---	0.008	0.030	0.030	0.004	0	0	0.001	0	---	---	0.009	1984
MEAN	---	---	0.088	0.370	0.030	0.008	0.073	0.004	0.003	0.001	---	---	0.071	MEAN

LOCATION - LAT 52 10 55 N DRAINAGE AREA, 188 km^2
LONG 113 21 40 W NATURAL FLOW

HAYNES CREEK NEAR HAYNES - STATION NO. 05CD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	0B ON AUG 11 *	---	1978
1979	1.61 AT 07:00 MST ON MAR 19	1.19 A ON MAR 19	0B ON MAR 1	1 770	1979
1980	---	1.34 E ON APR 8	0 ON MAR 1	1 320	1980
1981	0.747 AT 08:30 MST ON MAR 17	0.650 ON MAR 17	0 ON MAY 19	671	1981
1982	8.68 AT 17:37 MST ON APR 18 *	8.37 ON APR 18 *	0B ON MAR 1	3 780	1982
1983	1.37 AT 01:23 MST ON JUL 7	1.05 ON JUL 7	0B ON MAR 1	1 310	1983
1984	0.783 AT 19:00 MST ON MAY 2	0.318 ON MAY 3	0B ON MAR 1	184	1984
A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 810	MEAN

HEART RIVER AT PEACE RIVER - STATION NO. 07HA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	10.1	9.76	2.59	1.38	1.84	0.831	0.378	---	1915
1916	0.188	0.204	0.178	16.8	14.6	5.40	8.45	1.58	0.680	1.42	0.691	0.117	4.20	1916
1917	0.017	0	0.051	11.8	23.0	7.83	1.80	1.74	0.726	0.582	0.431	0.053	4.01	1917
1918	0	0	0	7.75	2.31	2.90	5.84	1.08	0.289	0.253	0.103	0	2.22	1918
1919	0	0	0.016	3.13	7.65	21.2	19.9	5.83	2.90	1.15	0.362	0.022	5.19	1919
1920	0.801	0.008	0.012	19.3	93.0	46.4	14.6	3.67	3.36	7.23	1.46	0.247	15.8	1920
1921	0.018	0.126	0.318	9.81	9.06	10.8	6.90	2.28	---	---	---	---	---	1921
MEAN	0.034	0.058	0.095	11.4	25.9	14.9	9.42	2.85	1.62	2.03	0.648	0.119	6.26	MEAN

LOCATION - LAT 58 13 50 N DRAINAGE AREA, 2 250 km²
LONG 117 17 10 W NATURAL FLOW

HEART RIVER AT PEACE RIVER - STATION NO. 07HA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	23.6 ON APR 24	0.0208 ON DEC 25	133 000	1916
1917	---	48.6 ON MAY 17	0 8 ON JAN 27 *	128 000	1917
1918	---	23.4 ON JUL 15	0 8 ON JAN 1	70 200	1918
1919	---	80.1 ON JUL 10	0 8 ON JAN 1	184 000	1919
1920	---	174 ON MAY 16 *	0 8 ON JAN 1	501 000	1920
1921	---	19.8 ON JUN 11	0 ON JAN 17	---	1921
				199 000	MEAN

8 - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HEART RIVER NEAR HAMPA - STATION NO 07HA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.183	41.4	28.9	1.42	0.281	0.190	0.088	0.121	---	---	---	1963
1964	---	---	0.074	4.17	18.2	3.87	33.1	46.8	2.88	3.58	---	---	---	1964
1965	---	---	0.256	42.8	28.8	3.88	0.301	0.110	0.128	0.314	---	---	---	1965
1966	---	---	0.487	3.30	0.855	0.251	0.288	0.081	0.038	0.089	---	---	---	1966
1967	---	---	0.184	0.643	34.3	2.16	0.052	0.007	0.003	0.033	---	---	---	1967
1968	---	---	2.38	2.89	1.02	4.88	0.508	0.042	0.007	0.488	---	---	---	1968
1969	---	---	0.183	13.8	6.46	0.370	0.283	0.058	2.88	5.78	---	---	---	1969
1970	---	---	0.204	18.8	4.38	1.87	4.85	0.231	0.230	0.835	0.486	0.238	---	1970
1971	0.238	0.208	0.184	12.8	3.74	8.12	11.8	0.734	0.044	0.193	0.334	0.226	3.32	1971
1972	0.117	0.164	0.443	10.8	10.7	0.884	1.34	0.673	0.280	1.28	0.485	0.335	2.33	1972
1973	0.353	0.348	0.331	18.8	13.1	13.3	8.78	3.87	18.1	4.11	3.44	0.898	6.93	1973
1974	0.388	0.288	0.248	42.8	22.3	3.01	2.74	0.878	2.48	1.88	1.28	0.888	6.83	1974
1975	0.343	0.243	0.233	6.34	4.78	4.80	8.23	1.28	7.88	2.84	1.83	0.938	3.32	1975
1976	0.277	0.268	0.223	18.8	8.11	13.1	9.20	16.2	4.77	3.07	1.22	0.910	8.02	1976
1977	0.297	0.298	0.384	8.04	8.88	30.4	3.78	0.930	0.388	1.35	0.884	0.394	3.78	1977
1978	0.322	0.218	0.258	8.42	11.3	2.23	0.212	0.027	1.81	2.13	0.884	0.481	2.17	1978
1979	0.277	0.378	0.273	10.0	28.3	18.2	28.0	1.83	0.241	0.870	0.328	0.287	7.28	1979
1980	0.220	0.183	0.218	2.13	0.275	0.284	0.048	0.080	0.247	0.888	0.368	0.133	0.388	1980
1981	0.148	0.134	0.878	6.38	3.44	0.471	0.127	0.008	0	0.008	0.083	0.078	0.884	1981
1982	0.078	0.123	0.142	2.87	2.88	0.884	0	0.018	0.081	0.848	0.078	0.884	0.814	1982
1983	0.884	0.868	0.878	0.807	0.128	0.887	8.81	8.81	1.38	1.37	0.818	0.338	1.73	1983
1984	0.228	0.187	0.818	1.38	8.84	13.2	27.7	0.744	0.828	1.18	0.785	0.388	4.71	1984
MEAN	0.238	0.217	0.378	12.8	11.1	8.32	8.38	2.82	1.85	1.38	0.885	0.382	3.88	MEAN

LOCATION - LAT 58 03 23 N DRAINAGE AREA, 1 880 km²
LONG 117 07 53 W NATURAL FLOW

HEART RIVER NEAR NAMPA - STATION NO 07NA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	101 ON APR 26	---	---	1983
1984	---	147 ON AUG 3 *	---	---	1984
1985	---	125 ON APR 29	0 ON JUL 22 *	---	1985
1986	---	7 708 ON APR 1	---	---	1986
1987	---	83.7 ON MAY 9	0 ON JUL 22	---	1987
1988	---	26.3 ON JUN 15	---	---	1988
1989	---	30.9 B ON APR 12	---	---	1989
1970	---	30 6 ON APR 23	---	---	1970
1971	90 0 AT 21:00 MST ON JUN 29	55 9 ON JUN 30	0 013 ON SEP 30	105 000	1971
1972	39 6 AT 18:15 MST ON APR 30	37 8 ON APR 30	0 014 ON SEP 13	73 500	1972
1973	84 3 AT 15:00 MST ON APR 23	61 1 ON APR 23	0 2838 ON JAN 5	218 000	1973
1974	126 AT 05:00 MST ON APR 19 *	121 ON APR 19	0 1708 ON MAR 30	208 000	1974
1975	37 4 AT 05:00 MST ON JUN 30	35 8 ON JUN 30	0 147 ON AUG 15	101 000	1975
1976	88 1 ON AUG 19	61 0 ON AUG 19	0 1938 ON FEB 28	181 000	1976
1977	78.5 AT 15:30 MST ON JUN 4	72.8 ON JUN 4	0 184 ON SEP 19	119 000	1977
1978	43 9 AT 02:00 MST ON MAY 1	40 5 ON MAY 1	0 013A ON AUG 2	88 400	1978
1979	108 A AT 01:00 MST ON APR 30	100 E ON APR 30	0 1908 ON JAN 19	230 000	1979
1980	7 288 AT 17:00 MST ON APR 19	3 688 ON APR 19	0 0132 ON AUG 18	12 200	1980
1981	13 8 AT 18:00 MST ON APR 28	13 5 ON APR 28	0 ON AUG 19	30 000	1981
1982	24 2 B AT 18:30 MST ON APR 25	18 3 B ON APR 25	0 ON JUN 19	18 200	1982
1983	---	54 0 E ON JUL 29	0 ON MAY 18	84 600	1983
1984	76 0 AT 00:30 MST ON JUL 11	73 6 ON JUL 11	0 086 ON MAY 11	149 000	1984
				112 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HENDRICKSON CREEK NEAR THE MOUTH - STATION NO 07AC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0 393	0 312	0 286	0 185	---	---	---	---	---	1974
MEAN	---	---	---	---	0 393	0 312	0 286	0 185	---	---	---	---	---	MEAN

LOCATION - LAT 53 48 37 N, LONG 118 22 03 W
DRAINAGE AREA, 24.9 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HENDRICKSON CREEK NEAR THE MOUTH - STATION NO 07AC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0 620 AT 23:30 MST ON MAY 23 *	0 588 ON MAY 25 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO 05BL025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	0 188	0 284	0 213	0 086	0 023	---	---	1977
1978	---	---	---	0 017	0 131	0 073	0 183	0 173	0 317	0 048	---	---	0 109	1978
1979	---	---	---	0 021	0 106	0 248	0 171	0 238	0 008	0	---	---	0 113	1979
1980	---	---	---	0 001	0 043	0 284	0 095	0 283	0 017	0	---	---	0 105	1980
1981	---	---	---	0 004	0 117	0 388	0 463	0 452	0 121	0	---	---	0 210	1981
1982	---	---	---	0	0 333	0 507	0 511	0 430	0 195	---	---	---	0 348	1982
1983	---	---	---	0	0 373	0 697	0 868	0 611	0 364	0 135	---	---	0 373	1983
1984	---	---	---	0 040	0 484	0 878	1 02	0 730	0 314	0 215	---	---	0 524	1984
MEAN	---	---	---	0 013	0 208	0 426	0 408	0 389	0 188	0 077	0 023	---	0 255	MEAN

LOCATION - LAT 50 33 08 N, LONG 113 50 20 W
REGULATED

HIGHWOOD DIVERSION CANAL NEAR HEADGATES - STATION NO. 05BL025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	0 331 ON SEP 13	0 ON APR 1 *	2 010	1978
1979	---	0 377 ON MAY 30	0E ON APR 1	2 080	1979
1980	---	0 448 ON AUG 13	0 ON APR 1	1 840	1980
1981	---	0 780 ON JUL 26	0 ON APR 1	3 880	1981
1982	---	0 848 ON SEP 20	0E ON APR 1	5 480	1982
1983	---	1 14 ON JUL 8	0 ON APR 1	5 810	1983
1984	---	1 29 ON JUL 25 *	0E ON APR 1	8 880	1984
				4 710	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT BROWN'S RANCH - STATION NO. 05BL004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	18.0	8.94	7.85	---	---	---	1912
1913	---	---	---	---	19.7	42.3	17.8	18.8	10.2	7.40	---	---	---	1913
1914	---	---	---	---	25.2	48.2	17.5	5.55	4.68	7.73	---	---	---	1914
1915	---	---	---	15.1	48.6	77.0	48.4	18.2	8.81	8.89	---	---	---	1915
1916	---	---	---	9.65	25.4	104	61.5	26.8	18.7	10.6	7.27	4.11	---	1916
1917	2.72	1.38	1.80	5.32	50.3	82.6	26.4	9.19	6.32	4.89	3.78	1.83	18.3	1917
1918	1.81	1.06	1.12	6.48	18.1	36.6	13.2	11.0	7.62	6.21	4.23	3.08	9.22	1918
1919	2.12	1.93	1.92	5.78	31.7	23.8	9.85	12.1	4.75	3.85	1.94	2.22	8.58	1919
1920	1.88	1.84	2.11	---	---	---	---	---	---	---	---	---	---	1920
MEAN	2.16	1.55	1.74	8.47	31.1	59.2	27.7	14.7	8.65	7.13	4.31	2.84	11.4	MEAN

LOCATION - LAT 50 31 44 N LONG 114 14 14 W DRAINAGE AREA, 1 200 km²
NATURAL FLOW

HIGHWOOD RIVER AT BROWN'S RANCH - STATION NO. 05BL004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	---	---	1912
1913	---	54.4 ON JUN 28	---	---	1913
1914	---	75.0 ON JUN 3	---	---	1914
1915	---	214 ON JUN 26	---	---	1915
1916	---	228 ON JUN 26 *	---	---	1916
1917	---	136 ON JUN 9	0.7088 ON FEB 13	515 000	1917
1918	---	78.2 ON JUN 10	0.0888 ON MAR 6 *	280 000	1918
1919	---	71.8 ON MAY 23	0.8218 ON FEB 25	270 000	1919
1920	---	---	---	18 700	1920
				273 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT DIESEL'S RANCH - STATION NO. 05BL019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	8.98	3.13	2.87	---	---	---	1980
1981	---	---	---	---	40.6	80.4	48.8	18.1	30.4	14.0	---	---	---	1981
1982	---	---	2.18	8.13	22.7	38.2	16.6	8.80	5.35	3.62	---	---	12.0	1982
1983	---	---	1.83	2.88	28.1	87.0	28.1	7.81	4.21	3.87	---	---	19.6	1983
1984	---	---	2.07	2.02	29.1	48.8	29.5	8.01	2.42	7.88	---	---	16.8	1984
1985	---	---	1.84	2.38	12.7	38.4	24.2	8.88	3.92	4.89	---	---	11.8	1985
1986	---	---	1.47	4.05	32.8	35.9	25.1	8.27	4.80	3.83	---	---	14.8	1986
1987	---	---	1.12	2.81	31.6	24.3	8.84	4.44	3.78	3.20	---	---	9.93	1987
1988	---	---	1.30	2.81	28.8	20.7	19.6	7.80	4.87	3.19	---	---	11.2	1988
1989	---	---	1.80	2.80	20.6	40.1	16.8	8.38	8.77	5.15	---	---	12.5	1989
1990	---	---	2.71	5.16	19.4	24.4	13.7	8.38	3.85	2.81	---	---	10.9	1990
1991	---	---	1.78	1.93	30.3	42.0	10.6	7.13	5.27	8.80	---	---	13.6	1991
1992	---	---	1.87	7.72	17.8	27.6	11.1	5.00	4.07	2.85	---	---	8.72	1992
1993	---	---	1.78	2.56	14.2	40.7	33.5	8.04	3.28	2.80	---	---	13.1	1993
1994	---	---	1.53	2.08	21.2	58.2	16.8	8.31	4.47	4.28	---	---	13.8	1994
1995	---	---	1.42	3.44	13.8	48.4	28.7	8.51	8.13	7.13	---	---	14.2	1995
1996	---	---	2.12	3.80	26.3	36.7	15.2	8.88	4.00	3.15	---	---	12.1	1996
1997	---	---	1.86	1.62	27.2	72.3	22.1	8.78	4.08	3.17	---	---	17.3	1997
1998	---	---	2.06	2.28	13.8	28.9	15.1	7.48	8.87	7.88	---	---	10.6	1998
1999	---	---	0.780	5.62	26.3	41.7	32.3	7.15	4.28	3.84	---	---	16.2	1999
1970	---	---	1.57	1.78	18.6	44.6	12.5	4.58	3.88	2.84	---	---	11.2	1970
1971	---	---	1.45	3.14	22.2	44.7	14.1	8.08	3.87	3.43	---	---	13.8	1971
1972	---	---	1.54	2.93	24.9	61.8	18.4	11.3	8.51	4.05	---	---	17.8	1972
1973	---	---	1.85	2.28	20.6	38.4	13.2	8.08	8.28	3.44	---	---	11.4	1973
1974	---	---	1.63	4.15	22.8	58.8	20.3	8.58	8.28	4.38	---	---	17.3	1974
1975	---	---	1.88	2.08	18.8	48.7	23.8	8.82	8.13	3.08	---	---	13.8	1975
1976	---	---	1.74	4.14	28.7	21.8	15.8	18.8	7.70	4.18	---	---	12.7	1976
1977	---	---	1.57	2.84	10.8	11.8	4.73	7.08	8.84	4.17	---	---	8.10	1977
1978	---	---	1.88	3.03	17.5	38.3	20.8	7.84	8.88	4.80	---	---	12.4	1978
1979	---	---	1.48	2.85	20.3	24.8	8.88	8.87	3.88	2.48	---	---	8.80	1979
1980	---	---	1.48	7.08	28.3	37.8	8.87	8.18	8.87	8.71	---	---	13.1	1980
1981	---	---	2.21	3.88	41.4	84.0	23.2	10.8	4.81	3.83	---	---	18.7	1981
1982	---	---	1.48	2.03	12.2	30.4	11.4	4.82	3.88	3.80	---	---	8.84	1982
1983	---	---	1.88	3.08	17.8	22.8	11.7	4.42	3.13	2.74	---	---	8.32	1983
1984	---	---	1.47	2.88	8.78	23.8	8.78	4.37	3.88	2.80	---	---	7.03	1984
MEAN	---	---	1.88	3.38	23.1	48.2	18.4	7.87	8.24	4.43	---	---	12.8	MEAN

LOCATION - LAT 50 24 20 N LONG 114 28 58 W DRAINAGE AREA, 774 km²
NATURAL FLOW

HIGHWOOD RIVER AT DIEBEL'S RANCH - STATION NO. 05BL019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	115 AT 02:00 MST ON JUN 15	107 ON JUN 15	---	---	1951
1952	83.5 AT 10:30 MST ON JUN 12	43.0 ON JUN 12	2.01 A ON MAR 9	284 000	1952
1953	283 AT 01:00 MST ON JUN 9 *	217 ON JUN 9 *	1.73 E ON MAR 24	412 000	1953
1954	88.8 AT 22:00 MST ON MAY 19	72.2 ON MAY 20	1.81 B ON APR 5	351 000	1954
1955	71.8 AT 02:00 MST ON JUN 13	63.4 ON JUN 13	1.78 B ON MAR 1	250 000	1955
1956	80.6 AT 23:00 MST ON MAY 20	78.2 ON MAY 21	1.25 B ON MAR 1	305 000	1956
1957	47.0 AT 08:00 MST ON MAY 20	45.0 ON MAY 20	0.5108 ON MAR 1	210 000	1957
1958	47.9 AT 01:00 MST ON MAY 23	44.2 ON MAY 21	0.8838 ON MAR 1	237 000	1958
1959	80.5 AT 02:00 MST ON JUN 5	58.4 ON JUN 5	1.70 A ON MAR 18	285 000	1959
1960	81.2 AT 22:00 MST ON JUN 3	56.1 ON JUN 3	1.93 B ON MAR 12	232 000	1960
1961	118 AT 08:00 MST ON MAY 27	111 ON MAY 27	1.70 B ON MAR 10	287 000	1961
1962	38.2 AT 04:00 MST ON JUN 18	36.6 ON JUN 17	1.78 ON MAR 24	208 000	1962
1963	188 AT 20:00 MST ON JUN 29	133 ON JUN 30	1.42 B ON MAR 1	277 000	1963
1964	113 AT 18:00 MST ON JUN 6	105 ON JUN 6	1.32 B ON MAR 18	285 000	1964
1965	138 AT 05:00 MST ON JUN 18	133 ON JUN 18	1.30 B ON MAR 1	301 000	1965
1966	86.5 AT 23:00 MST ON JUN 4	63.1 ON JUN 5	1.72 B ON MAR 1	258 000	1966
1967	258 AT 18:00 MST ON MAY 30	189 ON MAY 31	1.38 ON APR 5	385 000	1967
1968	43.6 AT 24:00 MST ON JUN 10	42.2 ON JUN 10	1.85 B ON MAR 1	224 000	1968
1969	94.9 AT 18:48 MST ON JUN 28	90.0 ON JUN 29	0.578 ON MAR 20	322 000	1969
1970	101 AT 23:08 MST ON JUN 13	87.6 ON JUN 14	1.42 B ON MAR 1	237 000	1970
1971	93.2 AT 08:30 MST ON JUN 5	88.3 ON JUN 5	1.13 B ON MAR 1	286 000	1971
1972	134 AT 00:30 MST ON JUN 1	121 ON JUN 1	0.3868 ON MAR 2 *	378 000	1972
1973	84.6 AT 08:00 MST ON JUN 7	80.9 ON JUN 7	1.48 ON MAR 5	241 000	1973
1974	143 AT 02:30 MST ON JUN 17	127 ON JUN 17	1.42 B ON MAR 8	384 000	1974
1975	174 AT 00:30 MST ON JUN 20	130 ON JUN 20	1.81 ON APR 10	284 000	1975
1976	101 AT 15:00 MST ON AUG 5	80.6 ON AUG 5	1.85 B ON MAR 19	283 000	1976
1977	19.7 AT 03:00 MST ON JUN 6	19.2 ON JUN 5	1.50 B ON MAR 11	138 000	1977
1978	77.3 AT 03:00 MST ON JUN 5	70.5 ON JUN 5	1.00 B ON MAR 1	284 000	1978
1979	88.7 AT 03:00 MST ON MAY 27	80.1 ON MAY 27	0.9468 ON MAR 27	186 000	1979
1980	70.1 AT 07:30 MST ON MAY 28	65.9 ON MAY 28	1.41 B ON MAR 21	277 000	1980
1981	148 AT 01:30 MST ON MAY 25	124 ON MAY 25	2.08 ON MAR 23	384 000	1981
1982	46.3 AT 01:40 MST ON JUN 15	43.5 ON JUN 15	1.40 B ON MAR 1	183 000	1982
1983	46.9 AT 02:33 MST ON MAY 30	42.9 ON MAY 30	1.41 ON MAR 29	178 000	1983
1984	35.6 AT 01:53 MST ON MAY 31	31.4 ON JUN 15	1.30 B ON OCT 31	149 000	1984
				288 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	9.89	5.83	5.28	---	---	---	1908
1909	---	---	---	5.28	46.6	75.1	43.0	15.8	9.33	6.13	---	---	---	1909
1910	---	---	---	7.32	24.3	27.0	10.5	6.87	8.77	8.89	---	---	---	1910
1911	---	---	---	6.80	21.3	51.5	17.1	24.1	27.6	11.4	---	---	---	1911
1912	---	---	---	8.48	20.7	38.1	33.2	17.6	8.29	8.25	---	---	---	1912
1913	---	---	---	---	31.7	41.8	18.8	15.0	9.04	7.73	5.53	3.42	---	1913
1914	1.85	1.45	1.86	7.46	24.9	34.2	15.6	6.89	3.98	8.29	6.86	2.33	9.33	1914
1915	2.40	2.09	2.08	7.23	55.8	81.5	55.9	22.6	8.94	10.1	6.90	3.99	21.7	1915
1916	3.35	3.85	5.29	---	---	---	---	---	---	---	---	---	---	1916
1982	---	---	1.86	5.29	15.7	42.2	15.7	6.86	6.71	6.85	2.86	2.10	---	1982
1983	1.80	2.12	2.62	7.47	23.2	26.1	12.6	6.74	3.48	3.33	3.23	1.30	7.81	1983
1984	1.82	1.81	2.19	3.81	9.02	26.7	9.09	3.60	2.86	2.76	2.47	1.66	5.83	1984
MEAN	2.28	2.30	2.85	6.29	28.1	44.1	23.2	11.6	8.33	6.71	3.76	2.26	11.0	MEAN

LOCATION - LAT 50 35 00 N
LONG 113 52 20 W
DRAINAGE AREA, 1 880 km^2
REGULATED

HIGHWOOD RIVER AT HIGH RIVER - STATION NO. 05BL003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	135 ON JUN 3	---	---	1909
1910	---	68.7 ON MAY 28	---	---	1910
1911	---	92.0 ON JUN 3	---	---	1911
1912	---	190 ON JUN 18	---	---	1912
1913	---	82.9 ON MAY 31	---	---	1913
1914	---	54.4 ON JUN 4	1.22 B ON FEB 5	394 000	1914
1915	---	227 ON JUN 28 *	0.850 ON MAR 27 *	682 000	1915
1916	---	---	---	33 100	1916
1982	80.7 AT 09:44 MST ON JUN 16 *	56.2 ON JUN 16	---	---	1982
1983	53.6 AT 11:57 MST ON MAY 30	50.6 ON MAY 30	0.9448 ON DEC 31	237 000	1983
1984	40.4 AT 11:30 MST ON MAY 31	37.0 ON JUN 16	0.8598 ON OCT 30	178 000	1984
				285 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	---	---	1.84	2.52	---	---	---	1965
1966	---	---	---	1.15	9.10	10.0	4.44	2.04	1.10	0.934	---	---	4.59	1966
1967	---	---	---	---	6.98	22.2	8.64	2.38	1.21	0.774	---	---	5.87	1967
1968	---	---	0.418	0.503	5.70	10.8	5.14	2.24	1.65	1.38	---	---	4.48	1968
1969	---	---	---	---	9.38	12.4	7.98	1.52	1.00	0.832	---	---	5.80	1969
1970	---	---	---	---	4.25	12.0	3.00	1.14	0.794	0.630	---	---	3.81	1970
1971	---	---	---	0.533	9.79	15.0	5.09	1.81	1.08	0.874	---	---	5.58	1971
1972	---	---	---	---	8.54	20.2	6.38	3.03	1.45	1.18	---	---	6.75	1972
1973	---	---	---	0.414	5.87	13.7	4.70	1.88	1.40	0.838	---	---	4.66	1973
1974	---	---	---	---	4.61	22.3	7.90	3.41	1.85	1.30	---	---	5.85	1974
1975	---	---	---	---	3.37	14.7	6.12	2.23	1.18	0.823	---	---	5.08	1975
1976	---	---	---	---	10.4	8.34	5.28	4.18	2.38	0.874	---	---	5.26	1976
1977	---	---	---	---	3.50	4.74	1.84	2.68	1.83	1.28	---	---	2.80	1977
1978	---	---	---	---	5.16	14.5	5.85	2.15	1.77	1.54	---	---	5.14	1978
1979	---	---	---	---	8.13	9.79	3.40	1.83	1.04	0.893	---	---	3.79	1979
1980	---	---	---	---	11.5	11.7	2.75	2.25	1.48	1.40	---	---	5.18	1980
1981	---	---	---	---	9.53	11.0	5.89	2.83	1.18	0.798	---	---	5.38	1981
1982	---	---	---	---	4.10	12.2	3.78	1.41	1.28	1.17	---	---	3.98	1982
1983	---	---	---	---	8.60	8.14	4.45	1.54	0.885	0.800	---	---	3.73	1983
1984	---	---	---	---	2.50	7.82	3.78	1.51	0.971	0.818	---	---	2.68	1984
MEAN	---	---	0.418	0.550	6.68	12.7	5.22	2.20	1.37	1.08	---	---	4.84	MEAN

LOCATION - LAT 50 28 55 N LONG 114 49 02 W DRAINAGE AREA, 132 km² NATURAL FLOW

HIGHWOOD RIVER BELOW PICKLEJAR CREEK - STATION NO. 05BL021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	28.2 AT 23:00 MST ON MAY 30	21.8 ON MAY 31	0.685 ON OCT 22	73 000	1966
1967	41.6 AT 17:00 MST ON MAY 30	34.3 ON MAY 30	0.851 ON OCT 24	111 000	1967
1968	18.6 AT 22:50 MST ON JUN 2	16.0 ON JUN 3	0.920 ON OCT 31	71 400	1968
1969	22.2 AT 20:40 MST ON JUN 4	19.3 ON JUL 1	0.671 ON OCT 25	87 400	1969
1970	27.5 AT 02:05 MST ON JUN 14	22.2 ON JUN 14	0.323 ON MAY 2 *	57 300	1970
1971	33.7 AT 04:30 MST ON JUN 8	30.9 ON JUN 8	0.7388 ON OCT 31	88 700	1971
1972	44.5 AT 22:30 MST ON JUN 10	37.9 ON MAY 31	0.854 ON MAY 1	107 000	1972
1973	26.3 AT 03:30 MST ON JUN 7	25.6 ON JUN 7	0.552 ON MAY 1	74 100	1973
1974	52.7 AT 05:30 MST ON JUN 15 *	43.9 ON JUN 15 *	0.804A ON OCT 31	109 000	1974
1975	30.6A AT 00:00 MST ON JUN 20	27.4 A ON JUN 20	0.815 ON MAY 2	80 300	1975
1976	20.3 AT 20:00 MST ON MAY 10	17.4 ON MAY 10	0.583 ON OCT 30	83 800	1976
1977	10.3 AT 23:30 MST ON JUN 7	9.54 ON JUN 8	0.872A ON OCT 31	41 400	1977
1978	29.2 AT 21:30 MST ON JUN 5	22.7 ON JUN 6	1.03 A ON OCT 31	81 700	1978
1979	25.8 AT 23:00 MST ON MAY 28	19.8 ON MAY 27	0.490E ON OCT 31	80 300	1979
1980	23.8 AT 23:30 MST ON MAY 25	21.4 ON MAY 25	1.04 ON OCT 23	82 000	1980
1981	35.8 AT 01:00 MST ON MAY 25	32.6 ON MAY 25	0.6498 ON OCT 21	85 200	1981
1982	20.9 AT 22:10 MST ON JUN 14	18.5 ON JUN 15	0.8198 ON OCT 31	63 000	1982
1983	---	24.0 E ON MAY 28	0.7018 ON OCT 24	59 300	1983
1984	15.7 AT 19:23 MST ON MAY 30	11.5 ON JUN 14	0.3788 ON OCT 31	45 900	1984
				78 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER DIVERSION CANAL - STATION NO. 05BL017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	---	---	---	---	---	0.070	0.028	---	---	---	1935
1936	---	---	0	0	0.015	0.035	---	---	---	---	---	---	---	1936
MEAN	---	---	0	0	0.015	0.035	---	---	0.070	0.028	---	---	---	MEAN

LOCATION - LAT 50 32 23 N LONG 113 56 08 W REGULATED

HIGHWOOD RIVER DIVERSION CANAL - STATION NO. 05BL017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	---	0 ON SEP 12 *	---	1935
1936	---	---	0 ON MAR 1	---	1936
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	47.9	46.6	21.2	---	7.88	---	---	---	1912
1913	---	---	---	---	20.4	46.3	22.4	21.3	10.1	9.11	---	---	---	1913
1914	---	---	---	7.42	25.1	36.8	18.2	5.29	4.22	8.56	---	---	---	1914
1915	---	---	---	7.26	59.5	95.7	86.1	28.3	13.1	12.0	---	---	---	1915
1916	---	---	7.28	12.8	35.2	148	67.1	36.1	24.7	16.6	10.3	6.85	---	1916
1917	5.18	3.23	2.00	9.23	63.3	117	29.6	10.3	8.75	5.22	4.91	2.30	21.5	1917
1918	2.00	0.881	1.86	7.37	18.6	39.4	16.0	12.2	8.32	5.36	4.19	3.04	10.1	1918
1919	1.89	1.58	1.97	6.14	31.0	33.2	6.85	12.6	4.68	3.81	1.98	2.23	8.36	1919
1920	1.73	1.90	2.41	14.1	44.6	57.7	48.0	11.2	4.81	3.84	2.43	1.72	16.2	1920
1921	1.62	1.33	2.15	7.10	29.2	38.6	14.5	8.89	4.18	3.94	2.71	2.44	9.67	1921
1922	1.68	1.42	1.46	5.79	30.6	40.9	16.2	6.35	3.65	2.90	2.10	1.11	9.65	1922
1923	0.901	0.831	2.70	5.81	21.0	140	30.3	13.2	6.68	5.02	3.33	2.85	19.3	1923
1924	1.92	2.17	2.17	11.0	25.4	51.2	22.1	22.0	7.48	5.01	2.90	2.19	13.0	1924
1925	1.83	2.48	5.90	24.1	37.6	47.8	15.4	8.06	7.32	11.9	7.13	4.18	14.5	1925
1926	2.80	2.81	4.11	13.3	12.4	31.9	19.7	8.89	26.3	23.8	11.9	6.65	14.3	1926
1927	3.49	3.23	4.18	8.83	41.8	86.6	39.1	36.2	49.6	36.3	9.90	3.81	28.0	1927
1928	7.93	8.82	17.8	15.4	42.6	74.7	46.2	13.1	9.88	8.92	5.73	3.84	21.0	1928
1929	2.81	2.00	5.18	8.18	42.8	102	15.3	5.81	4.81	4.37	2.38	1.70	16.5	1929
1930	1.67	7.53	4.09	20.4	36.5	56.6	22.7	7.42	5.49	4.18	2.90	1.81	14.2	1930
1931	1.88	2.17	3.78	4.54	14.7	22.7	8.92	---	---	---	---	---	---	1931
1933	---	---	---	---	38.0	50.3	16.3	7.17	---	---	---	---	---	1933
1934	---	---	---	---	33.8	31.5	12.8	4.00	3.49	3.84	4.25	---	---	1934
1935	---	---	---	7.01	19.6	38.4	16.1	7.56	4.15	3.71	---	---	---	1935
1936	---	---	1.80	7.34	18.5	28.4	5.75	2.43	1.09	0.682	---	---	---	1936
1937	---	---	0.218	2.84	13.0	38.0	12.2	6.14	4.28	---	---	---	---	1937
1938	---	---	---	8.13	56.0	80.7	25.8	5.08	3.65	3.38	---	---	---	1938
1939	---	---	2.82	8.58	17.2	61.8	24.0	5.90	5.12	5.81	---	---	---	1939
1940	---	---	2.13	11.3	38.8	27.8	9.58	5.37	17.5	11.8	---	---	---	1940
1941	---	---	---	3.60	8.83	21.7	5.83	5.78	13.8	12.8	---	---	---	1941
1942	---	---	2.30	9.31	68.8	81.0	46.5	28.3	24.8	12.5	---	---	---	1942
1943	---	---	---	24.4	27.8	38.6	25.8	7.37	4.34	3.48	---	---	---	1943
1944	---	---	2.11	4.78	9.28	13.8	6.03	5.18	3.72	2.81	---	---	---	1944
1945	---	---	1.88	2.83	35.7	83.4	38.2	10.2	8.67	8.33	---	---	---	1945
1946	---	---	5.33	9.98	38.4	81.4	24.7	10.6	15.0	9.49	---	---	---	1946
1947	---	---	13.3	21.5	66.7	67.3	30.6	10.8	13.6	14.2	---	---	---	1947
1948	---	---	1.82	22.3	77.8	72.1	24.7	14.8	8.42	6.57	---	---	---	1948
1949	---	---	2.08	8.78	26.8	27.0	9.30	3.48	2.72	3.27	---	---	---	1949
1950	---	---	3.38	7.53	38.7	85.4	21.8	8.10	3.38	2.83	---	---	---	1950
1951	---	---	---	10.8	68.8	88.8	73.5	27.2	47.7	36.6	---	---	---	1951
1952	---	---	8.98	36.8	38.1	82.0	29.8	13.3	7.18	6.93	---	---	---	1952
1953	---	---	5.00	14.3	61.5	140	36.4	11.5	8.70	6.84	---	---	---	1953
1954	---	---	4.35	11.3	50.6	85.3	36.7	15.2	12.4	13.1	---	---	---	1954
1955	---	---	3.88	11.4	36.8	54.5	38.9	8.84	5.26	6.10	---	---	---	1955
1956	---	---	4.00	13.2	49.6	46.1	35.8	10.3	5.62	4.68	---	---	---	1956
1957	---	---	3.88	11.2	41.6	28.8	10.0	5.30	4.86	4.36	3.74	2.30	---	1957
1958	1.70	1.85	2.27	20.5	47.3	32.0	35.9	11.9	8.53	6.43	3.27	2.86	14.3	1958
1959	1.89	1.81	6.81	7.78	33.4	52.8	19.8	8.98	7.87	8.98	8.63	3.86	13.1	1959
1960	2.89	2.88	8.48	8.63	32.0	42.2	15.2	7.38	3.26	2.41	2.87	3.36	11.1	1960
1961	1.87	2.06	4.18	3.02	40.6	47.0	11.1	5.82	5.88	13.6	8.80	2.87	12.8	1961
1962	2.84	4.21	5.88	14.9	26.3	34.7	12.1	4.87	4.32	3.42	2.43	2.38	9.78	1962
1963	1.24	2.48	2.84	3.60	17.9	86.0	53.2	6.37	3.78	2.56	2.60	2.86	12.8	1963
1964	1.68	1.72	1.81	3.78	32.1	71.6	19.6	6.22	5.32	4.88	3.26	1.18	12.7	1964
1965	2.12	3.88	4.71	12.4	19.3	82.8	37.4	11.4	10.4	11.4	6.86	3.10	18.5	1965
1966	2.86	2.88	4.67	5.80	33.8	50.7	20.9	8.88	5.04	4.42	4.29	3.03	12.4	1966
1967	2.88	3.20	4.86	4.07	51.8	112	27.7	7.81	3.87	3.30	2.81	1.32	18.6	1967
1968	1.85	1.88	2.72	3.54	16.2	40.7	18.3	10.1	6.84	9.86	4.86	3.30	10.3	1968
1969	3.38	3.42	9.89	25.2	44.9	71.8	62.8	8.81	4.70	4.02	3.18	2.83	20.3	1969
1970	1.42	1.70	2.53	5.78	28.9	58.5	18.2	4.81	3.68	3.31	2.45	1.48	11.0	1970
1971	1.26	4.80	2.81	15.3	39.5	56.1	15.2	5.46	3.96	3.71	3.37	1.85	12.8	1971
1972	1.71	1.73	6.84	10.3	52.6	76.9	23.1	12.3	7.32	6.32	4.47	2.00	17.2	1972
1973	2.31	2.12	6.37	8.30	30.2	46.6	16.2	6.12	6.41	4.21	3.06	2.61	11.1	1973
1974	1.82	1.86	5.14	15.8	48.9	88.1	24.6	10.8	8.04	6.16	3.48	2.38	18.1	1974
1975	1.81	1.48	1.88	8.70	32.2	88.1	34.6	10.7	5.53	4.62	2.86	2.34	16.7	1975
1976	2.31	2.23	4.18	9.17	34.0	22.1	13.3	30.6	9.04	6.21	3.14	2.88	11.6	1976
1977	2.06	2.01	2.82	4.88	11.8	11.9	4.81	7.11	6.82	6.01	2.63	2.08	6.40	1977
1978	1.87	1.84	6.00	8.44	32.3	84.6	26.6	10.3	7.68	6.82	3.06	2.01	13.4	1978
1979	1.38	1.88	7.34	8.38	31.8	28.2	8.81	6.82	4.07	2.84	1.76	1.88	8.88	1979
1980	0.839	1.20	1.75	13.7	31.6	48.2	8.73	8.18	7.10	6.84	4.36	4.81	11.4	1980
1981	3.43	2.84	3.78	4.36	63.6	58.3	26.0	11.6	4.47	3.36	2.62	1.48	16.8	1981
1982	1.19	1.36	1.77	6.62	13.7	38.0	14.2	3.23	3.33	3.88	---	---	---	1982
1983	---	---	2.70	7.41	21.4	22.7	11.4	3.81	2.88	2.80	---	---	---	1983
1984	---	---	1.77	3.84	8.08	28.0	7.78	2.30	2.25	2.00	---	---	---	1984
MEAN	2.16	2.38	4.30	10.3	38.0	58.9	24.7	10.7	8.62	7.18	4.16	2.84	14.0	MEAN

LOCATION - LAT 50 41 58 N DRAINAGE AREA, 2 340 km²
LONG 113 51 23 W REGULATED SINCE 1910

HIGHWOOD RIVER NEAR ALDERSYDE - STATION NO. 05BL009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	303 ON JUN 18	---	---	1912
1913	---	78.7 ON JUN 28	---	---	1913
1914	---	80.6 ON JUN 4	---	---	1914
1915	386 ON JUN 28	328 ON JUN 28	---	---	1915
1916	---	288 ON JUN 29	---	---	1916
1917	---	204 ON JUN 3	1.42 B ON DEC 12	678 000	1917
1918	---	88.6 ON JUN 11	0.2838 ON FEB 20 *	317 000	1918
1919	---	72.2 ON MAY 28	1.08 B ON FEB 28	284 000	1919
1920	---	93.7 ON MAY 9	0.9838 ON DEC 28	513 000	1920
1921	---	82.6 ON JUN 8	0.6238 ON MAR 14	305 000	1921
1922	---	86.8 ON JUN 5	0.7088 ON DEC 8	301 000	1922
1923	843 AT 19:30 MST ON JUN 1	501 ON JUN 1 *	0.7048 ON FEB 14	510 000	1923
1924	---	102 ON JUN 15	0.9008 ON DEC 18	410 000	1924
1925	---	100 ON MAY 22	1.08 B ON FEB 27	458 000	1925
1926	---	85.2 ON JUN 20	2.15 B ON JAN 22	450 000	1926
1927	---	181 ON JUN 11	3.20 B ON JAN 15	883 000	1927
1928	---	178 ON JUN 15	2.83 B ON DEC 31	884 000	1928
1929	581 AT 17:00 MST ON JUN 3	490 ON JUN 3	1.53 B ON DEC 11	519 000	1929
1930	---	89.5 ON JUN 8	1.22 B ON DEC 14	447 000	1930
1931	34.8 AT 18:00 MST ON JUN 18	34.5 ON JUN 18	1.03 B ON JAN 14	---	1931
1932	---	85.1 ON JUN 18	---	---	1932
1934	---	87.4 ON JUN 8	---	---	1934
1935	48.4 AT 18:00 MST ON JUN 18	46.0 ON JUN 18	---	---	1935
1936	---	46.4 ON JUN 2	---	---	1936
1937	107 IN JUN	101 ON JUN 14	---	---	1937
1938	140 AT 08:00 MST ON MAY 25	139 ON MAY 25	---	---	1938
1939	135 AT 12:00 MST ON JUN 17	132 ON JUN 17	---	---	1939
1940	---	78.4 ON MAY 27	---	---	1940
1941	---	86.4 ON JUN 3	---	---	1941
1942	704 AT 02:00 MST ON MAY 12 *	447 ON MAY 12	---	---	1942
1943	---	52.1 ON MAY 31	---	---	1943
1944	---	17.0 ON MAY 27	---	---	1944
1945	135 AT 08:45 MST ON JUN 28	133 ON JUN 28	---	---	1945
1946	---	128 ON JUN 6	---	---	1946
1947	---	126 ON MAY 11	---	---	1947
1948	289 AT 20:15 MST ON MAY 23	250 ON MAY 24	---	---	1948
1949	---	52.4 ON MAY 22	---	---	1949
1950	---	80.3 ON JUN 18	---	---	1950
1951	---	172 ON AUG 31	---	---	1951
1952	---	124 ON JUN 13	---	---	1952
1953	510 AT 18:00 MST ON JUN 8	413 ON JUN 8	---	---	1953
1954	---	114 ON MAY 20	---	---	1954
1955	---	105 ON MAY 19	---	---	1955
1956	---	118 ON MAY 21	---	---	1956
1957	---	58.6 ON MAY 15	---	---	1957
1958	74.58 AT 12:30 MST ON APR 14	73.1 ON JUL 7	0.5388 ON FEB 8	450 000	1958
1959	73.8 AT 13:00 MST ON JUN 28	70.6 ON JUN 28	0.4818 ON FEB 8	414 000	1959
1960	---	72.6 ON MAY 13	0.4538 ON NOV 29	350 000	1960
1961	---	136 ON MAY 28	0.3868 ON JAN 26	384 000	1961
1962	48.7 AT 22:00 MST ON JUN 18	47.0 ON JUN 18	1.06 B ON DEC 31	308 000	1962
1963	447 AT 13:00 MST ON JUN 30	378 ON JUN 30	0.5868 ON JAN 12	408 000	1963
1964	158 AT 03:00 MST ON JUN 16	138 ON JUN 16	0.5728 ON DEC 15	402 000	1964
1965	204 AT 16:00 MST ON JUN 16	180 ON JUN 16	0.4878 ON DEC 25	488 000	1965
1966	113 AT 11:00 MST ON JUN 5	108 ON JUN 5	0.8508 ON DEC 25	382 000	1966
1967	346 AT 16:00 MST ON MAY 31	320 ON MAY 31	1.06 B ON DEC 16	586 000	1967
1968	98.8 AT 16:00 MST ON JUN 9	87.7 ON JUN 11	0.7838 ON JAN 11	328 000	1968
1969	277 AT 23:00 MST ON JUN 29	238 ON JUN 29	2.12 B ON MAR 1	840 000	1969
1970	223 AT 08:30 MST ON JUN 14	193 ON JUN 14	1.02 B ON DEC 21	346 000	1970
1971	152 AT 02:00 MST ON JUN 7	142 ON JUN 7	0.7088 ON JAN 14	406 000	1971
1972	158 AT 11:00 MST ON JUN 1	150 ON JUN 1	0.7678 ON DEC 5	544 000	1972
1973	78.8 AT 17:00 MST ON MAY 28	71.6 ON MAY 28	1.70 B ON DEC 31	348 000	1973
1974	182 AT 15:00 MST ON JUN 17	183 ON JUN 17	0.8928 ON FEB 2	571 000	1974
1975	239 AT 16:30 MST ON JUN 20	181 ON JUN 20	0.9328 ON FEB 6	483 000	1975
1976	173 AT 11:30 MST ON AUG 6	150 ON AUG 6	1.60 B ON MAR 1	386 000	1976
1977	18.8 AT 07:00 MST ON MAY 13	18.3 ON JUN 9	1.06 B ON JAN 4	170 000	1977
1978	108 AT 13:30 MST ON JUN 6	86.6 ON JUN 6	0.9378 ON DEC 31	422 000	1978
1979	88.2 AT 14:00 MST ON MAY 27	78.5 ON MAY 27	0.8688 ON JAN 1	280 000	1979
1980	92.9 AT 08:30 MST ON MAY 27	88.5 ON MAY 27	0.8008 ON JAN 10	380 000	1980
1981	202 AT 13:15 MST ON MAY 28	177 ON MAY 28	1.38 B ON DEC 30	499 000	1981
1982	86.2 AT 13:24 MST ON JUN 18	82.8 ON JUN 18	---	---	1982
1983	81.4 AT 14:22 MST ON MAY 30	47.8 ON MAY 30	---	---	1983
1984	36.7 AT 18:51 MST ON JUN 18	34.0 ON JUN 18	---	---	1984
				441 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	50.8	101	28.5	7.79	4.88	4.88	3.89	3.86	---	1970
1971	2.04	5.32	3.88	30.7	83.8	82.0	22.1	8.26	5.96	5.87	3.42	2.38	20.4	1971
1972	2.30	2.33	18.7	31.2	79.2	104	33.8	16.4	11.0	8.67	5.74	3.15	25.8	1972
1973	3.34	3.24	7.30	13.8	51.0	74.8	23.0	9.80	11.8	8.47	4.18	3.48	17.7	1973
1974	2.37	2.81	6.90	30.7	90.2	130	35.2	17.4	14.5	9.80	5.20	3.36	28.1	1974
1975	2.58	2.34	3.12	18.3	50.1	102	53.3	16.7	8.58	7.05	4.04	3.67	22.8	1975
1976	3.82	2.78	5.50	14.1	51.8	35.5	20.0	45.5	13.4	7.76	4.07	3.22	17.4	1976
1977	2.32	3.41	4.27	8.42	18.0	17.4	7.33	13.0	10.7	8.67	3.42	2.48	8.36	1977
1978	2.20	1.97	11.8	18.2	55.5	85.4	42.7	16.1	12.5	8.78	5.88	3.97	22.0	1978
1979	2.37	2.16	7.78	18.2	51.8	41.5	14.5	9.07	5.58	3.82	2.12	1.90	13.4	1979
1980	1.11	1.83	2.48	23.8	49.2	80.7	18.5	14.9	12.5	10.7	6.10	5.81	18.9	1980
1981	5.00	4.71	5.71	8.84	111	91.4	44.0	21.5	7.83	5.71	4.02	2.20	25.8	1981
1982	1.43	1.88	2.42	10.9	20.7	64.8	26.0	8.28	6.07	7.34	3.80	2.85	12.8	1982
1983	2.85	2.92	3.84	15.4	40.1	35.0	19.4	5.53	3.85	3.93	3.43	2.13	11.6	1983
1984	2.00	1.88	2.80	8.82	13.6	38.8	13.4	4.34	4.23	4.22	2.35	2.03	8.00	1984
MEAN	2.93	2.82	6.18	18.9	53.1	73.0	28.6	14.3	8.67	6.90	4.08	3.08	18.2	MEAN

LOCATION - LAT 50 47 00 N DRAINAGE AREA, 3 880 km²
LONG 113 48 13 W REGULATED SINCE 1910

HIGHWOOD RIVER NEAR THE MOUTH - STATION NO. 05BL024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	430 AT 11:30 MST ON JUN 14 *	331 ON JUN 14 *	---	---	1970
1971	276 AT 17:45 MST ON JUN 8	238 ON JUN 7	1.42 B ON JAN 13	645 000	1971
1972	219 AT 10:30 MST ON JUN 1	205 ON JUN 1	1.93 B ON DEC 4	814 000	1972
1973	141 AT 06:10 MST ON MAY 27	124 ON MAY 27	2.83 B ON FEB 7	557 000	1973
1974	232 AT 12:20 MST ON JUN 17	216 ON JUN 17	1.81 B ON JAN 1	919 000	1974
1975	387 AT 15:30 MST ON JUN 20	292 ON JUN 20	1.90 B ON FEB 5	718 000	1975
1976	313 AT 11:00 MST ON AUG 8	178 ON AUG 8	1.68 B ON DEC 7	548 000	1976
1977	31.4 AT 08:30 MST ON MAY 25	28.7 ON MAY 25	1.81 B ON NOV 24	264 000	1977
1978	182 AT 15:40 MST ON JUN 8	154 ON JUN 8	1.80 B ON FEB 15	892 000	1978
1979	126 AT 13:00 MST ON MAY 27	116 ON MAY 27	1.80 B ON DEC 2	424 000	1979
1980	178 AT 10:30 MST ON JUN 4	161 ON JUN 4	0.6208 ON JAN 10	596 000	1980
1981	307 AT 14:00 MST ON MAY 26	265 ON MAY 26	1.72 B ON DEC 31	818 000	1981
1982	86.4 AT 15:14 MST ON JUN 15	84.0 ON JUN 15	0.8508 ON JAN 7	405 000	1982
1983	108 AT 15:53 MST ON APR 25	78.1 ON APR 25	1.28 B ON NOV 26	386 000	1983
1984	84.8 AT 19:58 MST ON MAY 31	81.6 ON JUN 16	0.3008 ON OCT 31 *	283 000	1984
				573 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	0.288	---	---	---	1974
1975	---	---	0.003	0.481	1.18	0.428	0.375	0.013	0.002	0.002	---	---	0.308	1975
1976	---	---	0	2.52	1.00	2.11	1.70	2.68	0.532	0.172	---	---	1.33	1976
1977	---	---	0.007	1.83	4.18	5.80	0.273	0.044	0.038	0.308	---	---	1.66	1977
1978	---	---	0.028	0.984	4.48	0.418	0.022	0.005	0.108	0.088	---	---	0.771	1978
1979	---	---	0	0.434	5.83	3.08	1.82	0.398	0.058	0.017	---	---	1.45	1979
1980	---	---	0.001	0.185	0.140	0.207	0.040	0.005	0.084	0.078	---	---	0.087	1980
1981	---	---	0.002	1.30	2.22	0.810	0.312	0.033	0.002	0.002	---	---	0.571	1981
1982	---	---	0	0.822	3.80	0.047	0.001	0.188	0.007	0.018	---	---	0.588	1982
1983	---	---	0	0.332	0.488	2.57	2.02	0.672	0.018	0.034	---	---	0.780	1983
1984	---	---	0.028	0.300	5.34	1.61	2.48	0.012	0.054	0.080	---	---	1.24	1984
MEAN	---	---	0.007	0.887	2.88	1.82	0.904	0.400	0.087	0.087	---	---	0.878	MEAN

LOCATION - LAT 56 20 03 N DRAINAGE AREA, 374 km²
LONG 118 15 46 W NATURAL FLOW

HINES CREEK ABOVE GERRY LAKE - STATION NO. 07FD011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	---	2.21 ON JUN 30	0 B ON AUG 18 *	5 520	1975
1976	10.8 AT 22:00 MST ON JUN 27	9.97 ON JUN 28	0 B ON MAR 1	25 300	1976
1977	24.1 AT 16:00 MST ON JUN 4	23.8 ON JUN 4	0.0058 ON MAR 20	35 500	1977
1978	13.8 AT 18:00 MST ON MAY 24	11.9 ON MAY 25	0.001 ON AUG 14	18 300	1978
1979	12.7 AT 08:30 MST ON MAY 31	12.2 ON MAY 31	0 B ON MAR 1	30 600	1979
1980	0.788 AT 12:00 MST ON JUN 18	0.780 ON JUN 18	0 B ON MAR 1	1 840	1980
1981	7.18 AT 05:00 MST ON MAY 2	6.84 ON MAY 2	0 B ON MAR 1	12 100	1981
1982	10.0 E AT 18:00 MST ON MAY 3	9.28 ON MAY 6	0 B ON MAR 1	13 400	1982
1983	10.8 AT 10:00 MST ON JUL 28	10.0 ON JUL 28	0 B ON MAR 1	18 100	1983
1984	44.8 AT 09:00 MST ON MAY 21 *	34.8 ON MAY 22 *	0 B ON MAR 1	25 400	1984
				18 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	0.524	0.025	0	0	---	---	---	1971
1972	---	---	0.209	8.53	11.8	0.824	1.07	1.19	0.025	0.128	---	---	2.92	1972
1973	---	---	0.006	30.3	10.0	4.30	1.71	0.677	1.09	1.84	---	---	4.96	1973
1974	---	---	0.011R	43.6 R	29.6 R	3.84 R	0.427R	0.317R	0.148R	1.07 R	---	---	9.82 R	1974
1975	---	---	0.004	1.88	1.11	0.376	1.25	0.021	0.026	0.016	---	---	0.583	1975
1976	---	---	0.074	7.58	1.67	1.91	4.52	3.31	1.06	0.533	---	---	2.80	1976
1977	---	---	0.121	6.84	8.78	12.6	0.926	0.136	0.038	0.481	---	---	3.45	1977
1978	---	---	0.152	3.87	8.49	2.38	0.042	0.005	0.026	0.064	---	---	1.62	1978
1979	---	---	0	5.08	11.6	5.74	5.61	0.897	0.087	0.019	---	---	3.73	1979
1980	---	---	0.002	0.387	0.104	1.08	0.140	0.001	0.018	0.028	---	---	0.218	1980
1981	---	---	0.589	6.89	5.05	0.808	0.145	0	0	0	---	---	1.88	1981
1982	---	---	0	3.84	7.00	0.264	0.003	0.207	0	0.014	---	---	1.43	1982
1983	---	---	0	2.09	0.688	2.38	3.21	2.41	0.015	0.020	---	---	1.35	1983
1984	---	---	0.344	1.15	10.2	3.97	3.54	0.153	0.033	0.052	---	---	2.44	1984
MEAN	---	---	0.110R	8.63 R	7.85 R	3.11 R	1.72 R	0.688R	0.184R	0.290R	---	---	2.83	MEAN

LOCATION - LAT 58 04 05 N LONG 118 30 35 W
DRAINAGE AREA, 1 240 km²
NATURAL FLOW

R - REVISED SINCE JAN 1980

HINES CREEK NEAR FAIRVIEW - STATION NO. 07FD008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	0 ON MAR 1 *	---	1971
1972	38.4 AT 19:00 MST ON APR 19	33.7 ON APR 20	0 B ON MAR 1	81 800	1972
1973	---	43.0 ON APR 12	0 B ON MAR 1	105 000	1973
1974	---	119 RA ON APR 22 *	0 RB ON MAR 1	208 000R	1974
1975	---	5.41B ON APR 17	0.001 ON AUG 23	12 300	1975
1976	21.5 AT 01:00 MST ON APR 18	17.6 ON APR 18	0.065B ON MAR 1	65 000	1976
1977	33.6 AT 02:00 MST ON JUN 12	23.2 ON JUN 12	0.034E ON SEP 8	73 200	1977
1978	11.0 AT 15:30 MST ON MAY 31	10.8 ON MAY 29	0.001 ON AUG 26	34 300	1978
1979	67.7 B AT 04:00 MST ON APR 28 *	58.2 B ON APR 28	0 B ON MAR 1	78 800	1979
1980	8.43 AT 07:00 MST ON JUN 18	8.18 ON JUN 19	0 B ON MAR 3	4 620	1980
1981	19.6 AT 21:00 MST ON APR 23	18.4 ON APR 24	0 B ON MAR 1	35 700	1981
1982	20.8 AT 21:00 MST ON APR 27	15.9 ON APR 27	0 B ON MAR 1	30 300	1982
1983	9.08B AT 13:30 MST ON APR 17	8.28B ON APR 17	0 B ON MAR 1	25 600	1983
1984	52.3 AT 14:00 MST ON MAY 24	52.2 ON MAY 24	0 B ON MAR 1	51 700	1984
				80 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

HINTON STUDY BASIN NO.1 - STATION NO. 07AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	0.038	---	---	---	---	---	1974
MEAN	---	---	---	---	---	---	---	0.038	---	---	---	---	---	MEAN

LOCATION - LAT 53 41 53 N LONG 117 33 46 W
DRAINAGE AREA, 16.8 km²
NATURAL FLOW

DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.1 - STATION NO. 07AD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.578A AT 01:30 MST ON MAY 12 *	0.572A ON MAY 12 *	---	---	1974
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HINTON STUDY BASIN NO.14 - STATION NO. 07AC008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.148	0.124	0.086	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.148	0.124	0.086	---	---	---	---	---	MEAN

LOCATION - LAT 53 42 16 N LONG 118 18 47 W
DRAINAGE AREA, 12.2 km²
NATURAL FLOW

DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.14 - STATION NO. 07AC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.823 AT 00:20 MST ON JUL 12 *	0.428 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.15 - STATION NO. 07AF011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.282	0.150	0.151	0.107	---	---	---	---	---	1974
MEAN	---	---	---	---	0.282	0.150	0.151	0.107	---	---	---	---	---	MEAN

LOCATION - LAT 53 18 19 N, LONG 117 18 04 W DRAINAGE AREA, 19.7 km^2, NATURAL FLOW DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.15 - STATION NO. 07AF011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.674 AT 03:20 MST ON JUL 12 *	0.473 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.16 - STATION NO. 07AF012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.148	0.038	0.042	---	---	---	---	---	---	1974
MEAN	---	---	---	---	0.148	0.038	0.042	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 18 32 N, LONG 117 17 04 W DRAINAGE AREA, 8.05 km^2, NATURAL FLOW DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.2 - STATION NO. 07AD009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.107	0.118	0.101	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.107	0.118	0.101	---	---	---	---	---	MEAN

LOCATION - LAT 53 41 03 N, LONG 117 33 48 W DRAINAGE AREA, 14.5 km^2, NATURAL FLOW DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.2 - STATION NO. 07AD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.855A AT 09:20 MST ON MAY 8 *	0.841A ON MAY 8 *	---	---	1974
A - MANUAL GAUGE (SEE REFERENCE INDEX)		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.5 - STATION NO. 07AD010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.706	0.188	0.289	0.168	---	---	---	---	---	1974
MEAN	---	---	---	---	0.706	0.188	0.289	0.168	---	---	---	---	---	MEAN

LOCATION - LAT 53 37 18 N, LONG 117 31 26 W DRAINAGE AREA, 19.7 km^2, NATURAL FLOW DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.5 - STATION NO. 07AD010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	1.59 AT 22:40 MST ON MAY 7 *	1.28 ON MAY 7 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.6 - STATION NO. 07AE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.885	0.358	0.287	0.085	---	---	---	---	---	1974
MEAN	---	---	---	---	0.885	0.358	0.287	0.085	---	---	---	---	---	MEAN

LOCATION - LAT 53 54 55 N
LONG 118 43 20 W
DRAINAGE AREA, 13.6 km^2
NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.6 - STATION NO. 07AE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	2.73 AT 08:20 MST ON JUL 12 *	2.08 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.7 - STATION NO. 07AE003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.23	0.355	0.427	0.168	---	---	---	---	---	1974
MEAN	---	---	---	---	1.23	0.355	0.427	0.168	---	---	---	---	---	MEAN

LOCATION - LAT 53 54 22 N
LONG 118 45 44 W
DRAINAGE AREA, 22.0 km^2
NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.7 - STATION NO. 07AE003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	2.74 AT 07:30 MST ON JUL 12 *	2.22 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.8 - STATION NO. 07AG005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	1.15	0.367	0.313	0.125	---	---	---	---	---	1974
MEAN	---	---	---	---	1.15	0.367	0.313	0.125	---	---	---	---	---	MEAN

LOCATION - LAT 53 48 43 N
LONG 118 44 52 W
DRAINAGE AREA, 23.1 km^2
NATURAL FLOW
DATA CONTRIBUTED BY -
CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.8 - STATION NO. 07AG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	3.37 AT 08:20 MST ON JUL 12 *	2.38 ON JUL 12 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

HINTON STUDY BASIN NO.9 - STATION NO. 07AG008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	0.381	0.104	0.114	0.030	---	---	---	---	---	1974
MEAN	---	---	---	---	0.381	0.104	0.114	0.030	---	---	---	---	---	MEAN

LOCATION - LAT 53 50 00 N LONG 118 40 54 W
DRAINAGE AREA, 7.54 km²
NATURAL FLOW
DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

HINTON STUDY BASIN NO.9 - STATION NO. 07AG008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	0.874 AT 09:20 MST ON JUL 12 *	0.759 ON APR 29 *	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	0.118	0.014	0.002	0	0	0	0	---	---	---	1970
1971	---	---	0	0.023	0.003	0.096	0.054	0	0	0.001	---	---	0.022	1971
1972	---	---	0.008	0.124	0.027	0.021	0.098	0	0	0.001	---	---	0.023	1972
1973	---	---	0	0.089	0.033	0.048	0.003	0.001	0.003	0.008	---	---	0.023	1973
1974	---	---	0	0.289	0.088	0.002	0	0	0	0	---	---	0.044	1974
1975	---	---	---	0.043	0.012	0.009	0.017	0	0.001	0.001	---	---	---	1975
1976	---	---	---	---	0.009	0.118	0.022	0.181	0.018	0.004	---	---	---	1976
1977	---	---	---	---	0.084	0.020	0.025	0.008	0.008	---	---	---	---	1977
1978	---	---	---	---	0.082	---	0.004	0	0.013	0.008	---	---	---	1978
1979	---	---	---	---	0.115	0.170	0.028	0	0	---	---	---	---	1979
1980	---	---	---	0.024	0.014	0.038	0.007	0.003	0.010	---	---	---	---	1980
1981	---	---	---	0.075	0.020	0.004	0.001	0	0	0	---	---	---	1981
1982	---	---	---	---	0.018	0.001	0.017	0.024	0.002	0.001	---	---	---	1982
1983	---	---	0	0.008	0.008	0.080	---	0.009	0.001	0.001	---	---	---	1983
1984	---	---	---	0.014	0.117	0.028	0.003	0	0.008	0.008	---	---	---	1984
MEAN	---	---	0.002	0.078	0.043	0.048	0.013	0.014	0.006	0.003	---	---	0.028	MEAN

LOCATION - LAT 54 55 19 N LONG 117 46 47 W
DRAINAGE AREA, 4.27 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

NORSE CREEK NEAR VALLEYVIEW - STATION NO. 07GF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	0.317 ON APR 22	0 ON JUN 19 *	---	1970
1971	0.787 AT 01:00 MST ON JUN 27	0.584 ON JUN 27	0 ON MAR 1	483	1971
1972	0.348 AT 10:30 MST ON APR 30	0.272 ON APR 15	0E ON MAR 1	488	1972
1973	0.281 AT 15:00 MST ON APR 23	0.224 ON APR 24	0E ON MAR 1	485	1973
1974	---	0.818 ON APR 23	0E ON MAR 1	941	1974
1975	---	0.1308 ON APR 17	0E ON MAR 5	---	1975
1976	---	1.01 E ON AUG 17 *	---	---	1976
1977	---	0.885 ON APR 9	---	---	1977
1978	---	0.480A ON APR 13	---	---	1978
1979	0.976 AT 03:00 MST ON JUN 14 *	0.878 ON JUN 14	0E ON APR 5	---	1979
1980	0.195 AT 23:41 MST ON JUN 28	0.122 ON JUN 8	0E ON APR 1	---	1980
1981	0.188 AT 03:15 MST ON APR 25	0.1608 ON APR 26	0E ON MAR 5	---	1981
1982	0.488 AT 04:12 MST ON AUG 3	0.172 ON AUG 3	0 ON JUN 17	---	1982
1983	---	---	---	---	1983
1984	0.735 AT 05:28 MST ON MAY 17	0.637 ON MAY 17	0E ON MAR 19	---	1984
				594	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

HORSE RIVER AT ABASANDS PARK - STATION NO. 07CC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	0.178	0.166	0.141	---	---	---	---	---	---	---	---	---	---	1931
1976	0.618	0.532	0.493	7.14	2.71	5.04	13.5	21.5	41.7	15.1	2.47	1.01	8.30	1976
1977	0.760	0.741	0.788	11.3	15.5	18.7	14.7	7.59	4.21	7.16	2.10	1.09	7.34	1977
1978	0.770	0.672	0.548	8.28	18.2	11.6	5.27	4.22	40.5	18.6	4.88	1.98	9.38	1978
1979	0.830	0.843	0.754	1.28	---	24.1	8.78	3.83	---	---	---	---	---	1979
MEAN	0.609	0.511	0.548	8.61	13.5	14.8	9.81	9.29	28.8	13.0	3.14	1.38	8.87	MEAN

LOCATION - LAT 58 42 29 N LONG 111 23 40 W
DRAINAGE AREA, 2 130 km²
NATURAL FLOW

HORSE RIVER AT ABASANDS PARK - STATION NO. 07CC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1976	97.1 AT 17:50 MST ON AUG 29 *	94.8 ON AUG 29 *	0.3378 ON JAN 14 *	284 000	1976
1977	35.4 AT 18:25 MST ON JUN 3	34.6 ON JUN 3	0.7388 ON JAN 14	231 000	1977
1978	59.7 AT 21:22 MST ON SEP 11	59.5 ON SEP 11	0.4118 ON FEB 11	295 000	1978
1979	---	---	---	---	1979
				273 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3.27	2.54	3.50	2.34	1.38	---	---	---	1982
1983	---	---	0.559	3.02	1.94	2.01	10.8	8.44	4.18	2.57	---	---	4.22	1983
1984	---	---	0.498	3.10	4.84	15.9	7.84	2.02	3.77	3.48	---	---	5.14	1984
MEAN	---	---	0.529	3.06	3.44	7.06	7.03	4.65	3.43	2.47	---	---	4.68	MEAN

LOCATION - LAT 55 38 30 N, LONG 112 09 25 W DRAINAGE AREA, 784 km^2

HOUSE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	28.0 AT 22:42 MST ON JUL 28 *	28.7 ON JUL 28 *	0.4888 ON MAR 25	89 300	1983
1984	24.1 AT 15:55 MST ON JUN 3	23.8 ON JUN 4	0.4518 ON MAR 1 *	109 000	1984
				99 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07DB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.004	---	---	---	1977
1978	---	---	0	0.048	0.418	0.388	0.059	0.040	0.194	0.210	---	---	0.188	1978
1979	---	---	0	0.015	1.48	0.823	0.108	0.039	0.028	0.012	---	---	0.322	1979
1980	---	---	0	0.040	0.008	0.001	0	0	0	0	---	---	0.005	1980
1981	---	---	0	0.030	0.189	0.012	0.018	0	0	0.003	---	---	0.028	1981
1982	---	---	0	0.008	0.041	0.004	0	0.004	0	0	---	---	0.007	1982
1983	---	---	0	0.080	0.385	0.148	0.024	0.003	0.001	0.001	---	---	0.080	1983
1984	---	---	0	0.017	0.037	0.119	0.770	0.014	0.099	0.084	---	---	0.143	1984
MEAN	---	---	0	0.033	0.358	0.235	0.140	0.014	0.048	0.039	---	---	0.107	MEAN

LOCATION - LAT 58 43 05 N, LONG 117 14 27 W DRAINAGE AREA, 103 km^2, NATURAL FLOW

HUTCH LAKE TRIBUTARY NEAR HIGH LEVEL - STATION NO. 07DB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 18 *	---	1977
1978	0.808 AT 18:00 MST ON MAY 28	0.892 ON MAY 28	0B ON MAR 1	3 520	1978
1979	2.31 AT 01:00 MST ON MAY 29 *	2.28 ON MAY 29 *	0B ON MAR 1	8 810	1979
1980	0.2038 AT 05:30 MST ON APR 18	0.1508 ON APR 18	0B ON MAR 1	126	1980
1981	0.582 AT 10:30 MST ON MAY 5	0.486 ON MAY 3	0B ON MAR 1	586	1981
1982	0.488 AT 09:00 MST ON AUG 30	0.118 ON AUG 30	0B ON MAR 1	148	1982
1983	0.892 AT 19:30 MST ON APR 28	0.803 ON APR 28	0B ON MAR 1	1 700	1983
1984	1.58 AT 05:30 MST ON JUL 5	1.54 ON JUL 4	0B ON MAR 1	3 030	1984
				2 370	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ISEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07EE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	0.974	8.19	3.70	---	---	---	1969
1970	---	---	0.438	20.8	27.8	9.84	4.29	1.93	0.797	0.700	---	---	8.25	1970
1971	---	---	0.382	30.2	17.0	40.4	83.2	8.11	1.58	4.01	---	---	20.3	1971
1972	---	---	1.52	28.3	45.0	31.8	25.0	13.8	3.78	3.88	---	---	18.8	1972
1973	---	---	0.826	25.8	36.8	29.8	9.77	10.0	4.75	8.88	---	---	15.0	1973
1974	---	---	1.22	61.4	72.3	8.27	5.18	0.854	1.17	1.23	---	---	15.9	1974
1975	---	---	0.474	7.24	15.5	15.9	17.9	4.41	4.41	2.17	---	---	8.58	1975
1976	---	---	0.886	41.0	12.7	24.7	20.9	30.3	17.3	8.03	---	---	19.1	1976
1977	---	---	1.37	34.0	80.8	39.6	31.3	9.21	4.14	8.99	---	---	24.1	1977
1978	---	---	1.18	9.70	19.6	45.8	11.4	7.20	29.3	10.7	---	---	15.9	1978
1979	---	---	1.26	11.2	61.3	47.2	48.5	5.32	1.80	0.785	---	---	20.9	1979
1980	---	---	0.398	10.7	13.9	38.3	25.3	9.08	12.4	5.78	---	---	14.4	1980
1981	---	---	1.11	13.3	18.3	21.7	4.78	2.07	0.348	0.473	---	---	7.71	1981
1982	---	---	0.382	1.26	38.0	8.23	18.5	34.1	7.31	2.90	---	---	13.4	1982
1983	---	---	0.432	3.14	4.71	34.4	83.7	15.0	4.72	2.62	---	---	16.1	1983
1984	---	---	1.12	9.81	48.3	19.9	3.88	1.38	9.88	8.37	---	---	12.3	1984
MEAN	---	---	0.840	20.4	32.0	27.8	23.6	9.54	7.21	4.31	---	---	15.7	MEAN

LOCATION - LAT 56 44 43 N
LONG 117 09 04 W
DRAINAGE AREA, 1 950 km²
NATURAL FLOW

ISEGUN RIVER NEAR LITTLE SMOKY - STATION NO. 07EE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1969	---	---	---	---	1969
1970	92.6 AT 13:00 MST ON APR 24	92.0 ON APR 24	0.3438 ON MAR 1	175 000	1970
1971	255 AT 14:30 MST ON JUL 5 *	239 ON JUL 5 *	0.3628 ON MAR 8	430 000	1971
1972	181 AT 04:00 MST ON JUN 28	162 ON JUN 28	0.5868 ON MAR 1	389 000	1972
1973	88.6 AT 22:00 MST ON APR 29	83.0 ON APR 29	0.4598 ON MAR 15	339 000	1973
1974	182 AT 20:00 MST ON APR 27	180 ON APR 27	0.411E ON AUG 10	400 000	1974
1975	162 AT 21:00 MST ON JUN 29	125 ON JUN 29	0.4258 ON MAR 9	182 000	1975
1976	181 AT 03:30 MST ON JUN 29	149 ON JUN 29	0.4988 ON MAR 10	404 000	1976
1977	145 AT 21:30 MST ON MAY 30	138 ON MAY 30	1.13 B ON MAR 15	511 000	1977
1978	207 AT 00:30 MST ON JUN 17	187 ON JUN 16	0.4848 ON MAR 1	387 000	1978
1979	141 AT 17:00 MST ON JUN 15	134 ON JUN 15	0.552 ON OCT 9	443 000	1979
1980	95.7 AT 03:30 MST ON JUN 6	92.4 ON JUN 6	0.1688 ON MAR 8	305 000	1980
1981	83.6 AT 16:00 MST ON JUN 2	80.4 ON JUN 2	0.172 ON SEP 18 *	183 000	1981
1982	145 AT 03:30 MST ON AUG 6	137 ON AUG 6	0.3348 ON MAR 1	238 000	1982
1983	183 AT 06:00 MST ON JUL 28	154 ON JUL 28	0.3538 ON MAR 8	342 000	1983
1984	151 AT 10:00 MST ON MAY 16	143 ON MAY 16	0.547 ON AUG 8	300 000	1984
				333 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRON CREEK NEAR HARDISTY - STATION NO. 06FB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	---	---	---	---	---	0.011	0.098	0.025	---	---	---	1964
1965	---	---	0.057	5.17	2.15	1.10	2.33	0.121	0.095	0.071	---	---	1.38	1965
1966	---	---	0.082	1.47	0.417	0.220	0.097	0.747	0.295	0.088	---	---	0.422	1966
1967	---	---	0.025	0.407	0.783	0.515	0.188	0.007	0	0	---	---	0.238	1967
1968	---	---	2.38	1.02	0.239	0.100	0.010	0.005	0.195	0.633	---	---	0.574	1968
1969	---	---	0	7.09	1.71	0.244	0.078	0.052	0.037	0.058	---	---	1.14	1969
1970	---	---	0	2.67	1.31	0.197	0.830	0.328	0.083	0.088	---	---	0.711	1970
1971	---	---	0.090	5.98	2.08	0.515	0.265	0.088	0.025	0.027	---	---	1.12	1971
1972	---	---	0.022	1.89	0.662	0.114	0.065	0.057	0.024	0.034	---	---	0.387	1972
1973	---	---	0.123	1.68	0.730	2.02	1.83	3.27	0.580	0.585	---	---	1.36	1973
1974	---	---	0.087	33.0	12.9	2.28	0.847	0.182	0.301	0.122	---	---	4.93	1974
1975	---	---	0.008	1.88	3.40	0.548	0.205	0.029	0.020	0.013	---	---	0.772	1975
1976	---	---	0.082	2.87	0.481	0.388	0.275	0.071	0.043	0.035	---	---	0.500	1976
1977	---	---	0.037	0.343	0.895	0.236	0.023	0.008	0.008	0.018	---	---	0.170	1977
1978	---	---	0.081	0.582	0.300	0.078	0.019	0.003	0.382	0.220	---	---	0.209	1978
1979	---	---	0.786	4.11	0.902	0.188	0.318	0.101	0.002	0.001	---	---	0.783	1979
1980	---	---	0.008	2.21	0.184	0.481	0.748	0.183	0.147	0.107	---	---	0.501	1980
1981	---	---	0.885	2.01	0.282	0.110	0.047	0.188	0.001	0.001	---	---	0.443	1981
1982	---	---	0	0.280	0.542	0.213	1.48	0.248	0.017	0.141	---	---	0.384	1982
1983	---	---	0.104	1.83	0.869	0.643	5.58	0.484	0.038	0.082	---	---	1.18	1983
1984	---	---	0.274	1.48	0.282	0.632	0.074	0.011	0.014	0.014	---	---	0.360	1984
MEAN	---	---	0.358	3.40	1.88	0.538	0.788	0.282	0.114	0.111	---	---	0.878	MEAN

LOCATION - LAT 53 43 28 N
LONG 111 18 38 W
DRAINAGE AREA, 3 500 km²
NATURAL FLOW

IRON CREEK NEAR HARDISTY - STATION NO. 05FB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 E ON AUG 1 *	---	1964
1965	---	15.7 ON APR 18	0.0578 ON MAR 1	29 200	1965
1966	---	3.098 ON APR 6	0 E ON MAR 1	5 040	1966
1967	---	1.258 ON APR 25	0 E ON MAR 1	5 030	1967
1968	---	3.488 ON MAR 1	0 ON JUL 12	12 100	1968
1969	---	19.3 ON APR 14	0 E ON MAR 1	24 200	1969
1970	8.249 AT 14:15 MST ON APR 14	7.93 ON APR 18	0 E ON MAR 1	15 000	1970
1971	15.8 AT 05:00 MST ON APR 21	15.7 ON APR 21	0.017 ON SEP 7	23 600	1971
1972	---	4.028 ON APR 14	0 E ON MAR 1	7 750	1972
1973	6.81 AT 15:10 MST ON AUG 15	6.85 ON AUG 15	0.0038 ON MAR 1	28 700	1973
1974	88.0 AT 02:30 MST ON APR 23 *	87.7 ON APR 23 *	0.028 ON OCT 11	104 000	1974
1975	---	8.38A ON APR 28	0.003 ON SEP 29	18 300	1975
1976	7.42 AT 05:30 MST ON APR 11	7.4 ON APR 11	0.028 ON OCT 26	10 800	1976
1977	2.318 AT 05:00 MST ON APR 11	1.34 ON MAY 18	0.004 ON SEP 3	3 880	1977
1978	1.82 AT 01:00 MST ON SEP 28	1.42 ON SEP 28	0.0038 ON AUG 10	4 410	1978
1979	10.0 B AT 16:20 MST ON APR 19	9.988 ON APR 19	0.001 ON SEP 9	16 800	1979
1980	10.6 B AT 07:05 MST ON APR 17	8.738 ON APR 17	0.0038 ON MAR 1	10 800	1980
1981	4.47 AT 11:40 MST ON APR 3	4.109 ON APR 1	0.001 ON SEP 8	9 380	1981
1982	3.78 AT 22:31 MST ON JUL 13	3.71 ON JUL 14	0 B ON MAR 1	7 700	1982
1983	10.1 AT 08:34 MST ON JUL 9	9.98 ON JUL 8	0.017 ON SEP 4	24 800	1983
1984	---	4.848 ON APR 3	0.003 ON SEP 19	7 180	1984
				18 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

IRON CREEK NEAR VIKING - STATION NO. 05FB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	0 R	0 R	0.006R	0.558R	0.021R	---	---	---	1978
1979	---	---	0.210	1.11	0.046	0	0	0	0	0	---	---	0.188	1979
1980	---	---	0	0.388	0.019	0.012	0.006	0.003	0	0	---	---	0.038	1980
1981	---	---	0.217	0.100	0	0	0.003	0	0	0	---	---	0.040	1981
1982	---	---	0	0.080	---	---	0.575	0.017	0.004	0.001	---	---	---	1982
1983	---	---	0.028	0.178	0	0.458	0.813	0.008	0.001	0.001	---	---	0.188	1983
1984	---	---	0.053	0.033	0	0.084	0.038	0.008	0.001	0	---	---	0.028	1984
MEAN	---	---	0.088	0.281	0.013	0.088R	0.218R	0.006R	0.083R	0.003R	---	---	0.084	MEAN

LOCATION - LAT 53 00 58 N, LONG 111 54 07 W
DRAINAGE AREA, 121 km^2
NATURAL FLOW
R - REVISED SINCE JAN 1980

IRON CREEK NEAR VIKING - STATION NO. 05FB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	2.83R AT 07:00 MST ON SEP 8	---	---	---	1978
1979	2.73B AT 17:50 MST ON APR 11	2.26 ON APR 19	0B ON MAR 1 *	3 550	1979
1980	1.24 AT 03:30 MST ON APR 14	1.08 ON APR 14	0B ON MAR 1	705	1980
1981	---	0.772B ON MAR 16	0B ON MAR 1	548	1981
1982	2.81 AT 10:52 MST ON JUL 8 *	2.78 ON JUL 5	0B ON MAR 1	---	1982
1983	3.72 AT 00:20 MST ON JUL 3 *	3.48 ON JUL 3 *	0B ON MAR 1	4 200	1983
1984	1.12 AT 19:57 MST ON JUN 12	0.603B ON MAR 28	0B ON MAR 1	593	1984
				2 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

IRRIGATION CREEK NEAR ORION - STATION NO. 05AF005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	0.001	0.003	0.188	0.078	0	0	0	---	---	---	1916
1917	---	---	---	1.21	0.080	0	0	0	---	---	---	---	---	1917
1918	---	---	---	---	0.003	0	---	---	---	---	---	---	---	1918
1919	---	---	0.010	0.040	---	---	---	---	---	---	---	---	---	1919
1920	---	---	0.075	0.235	0.088	0.001	---	---	---	---	---	---	---	1920
1921	---	---	0.237	0.387	0.012	0	0	---	---	---	---	---	---	1921
1922	---	---	0.181	1.80	0.027	0	0	---	---	---	---	---	---	1922
1923	---	---	0.043	0.075	0	0.318	0.028	0	---	---	---	---	---	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0.220	0.181	---	---	0	---	---	---	---	---	---	1925
1926	---	---	0.273	0.021	0	0	0	0	0	0	---	---	0.027	1926
1927	---	---	0.273	0.810	0.283	0.081	0.107	0.111	0.001	0	---	---	0.180	1927
1928	---	---	1.38	0.070	0	0	0.008	0	0	0	---	---	0.184	1928
1929	---	---	0.001	0.021	0.088	0.001	---	---	---	---	---	---	---	1929
1930	---	0.026	0.023	0	0	0	---	---	---	---	---	---	---	1930
1931	---	0	0	---	---	---	---	---	---	---	---	---	---	1931
1932	---	---	0	0.458	0.006	0.008	---	---	---	---	---	---	---	1932
MEAN	---	0.013	0.238	0.328	0.041	0.038	0.022	0.018	0	0	---	---	0.106	MEAN

LOCATION - LAT 49 25 20 N, LONG 110 00 20 W
DRAINAGE AREA, 202 km^2
REGULATED

IRRIGATION CREEK NEAR ORION - STATION NO 05AF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	---	---	---	1916
1917	---	3 82 ON APR 2	0 ON MAY 28 *	---	1917
1918	---	---	0 ON JUN 5	---	1918
1919	---	0 880 ON APR 1	0B ON MAR 1	---	1919
1920	---	3 00 B ON MAR 22	0B ON MAR 1	---	1920
1921	---	1 70 B ON APR 1	0B ON MAR 11	---	1921
1922	---	7 83 B ON APR 2	0 ON MAR 1	---	1922
1923	---	4 02 ON JUN 22	0B ON MAR 1	---	1923
1924	---	0 ON MAR 1	0 ON MAR 1	0	1924
1925	---	2 46 ON JUN 10	0B ON MAR 1	---	1925
1926	---	2 88 ON MAR 1	0B ON APR 1	784	1926
1927	---	3 82 ON MAR 28	0 ON MAR 1	3 810	1927
1928	---	10 3 ON MAR 21 *	0B ON MAR 1	3 800	1928
1929	---	0 800 ON MAY 1	0B ON MAR 1	---	1929
1930	---	0 2618 ON MAR 28	0 ON APR 8	---	1930
1931	---	---	0 ON MAR 1	---	1931
1938	---	2 81 ON APR 19	0B ON MAR 1	---	1938
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 130	MEAN

JACKFISH CREEK NEAR LA COREY - STATION NO 05AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0 095	1 25	2 08	0 377	0 130	0 220	0 038	0 111	---	---	0 526	1972
1973	---	---	0 164	1 01	1 38	1 18	0 813	0 864	0 678	1 20	---	---	0 886	1973
1974	---	---	0 261	4 74	8 80	2 33	0 400	0 073	0 048	0 034	---	---	2 18	1974
1975	---	---	0 087	1 20	3 20	3 28	2 82	1 08	0 386	0 086	---	---	1 41	1975
1976	---	---	0 184	0 880	0 201	0 327	1 49	0 721	0 181	0 082	---	---	0 488	1976
1977	---	---	0 018	0 388	0 433	0 184	0 348	0 304	0 284	0 213	---	---	0 271	1977
1978	---	---	0 335	1 08	1 73	1 48	0 481	0 122	0 108	0 064	---	---	0 686	1978
1979	---	---	0 066	0 860	1 18	0 727	0 824	0 184	0 140	0 078	---	---	0 444	1979
1980	---	---	0 094	0 673	0 266	0 023	0 008	0 201	0 182	0 214	---	---	0 206	1980
1981	---	---	0 272	0 748	0 423	0 117	0 083	0 086	0 005	0 005	---	---	0 227	1981
1982	---	---	0	0 646	0 238	0 038	0 306	0 243	0 141	0 005	---	---	0 184	1982
1983	---	---	0 148	0 418	0 378	0 084	0 354	0 185	0 088	0 058	---	---	0 212	1983
1984	---	---	0 247	0 482	0 188	1 05	0 238	0 005	0 002	0 012	---	---	0 276	1984
MEAN	---	---	0 143	1 08	1 85	0 781	0 823	0 318	0 173	0 184	---	---	0 814	MEAN

LOCATION - LAT 54 26 30 N DRAINAGE AREA, 485 km^2
LONG 110 41 10 W NATURAL FLOW

JACKFISH CREEK NEAR LA COREY - STATION NO 05AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	3 28 B ON APR 24	0 014E ON SEP 3	11 100	1972
1973	2 280 AT 08:30 MST ON APR 14	1 85 ON MAY 11	0 085B ON MAR 1	15 800	1973
1974	13 3 AT 06:00 MST ON MAY 3 *	13 1 ON MAY 3 *	0 008 ON OCT 27	48 400	1974
1975	---	4 11 ON JUL 7	0 043B ON MAR 1	39 800	1975
1976	2 32 AT 23:00 MST ON JUL 21	2 31 ON JUL 21	0 014B ON OCT 27	10 300	1976
1977	---	0 778B ON APR 30	0 B ON MAR 1 *	5 740	1977
1978	3 808 AT 08:00 MST ON APR 28	3 80 B ON APR 28	0 003 ON SEP 30	13 900	1978
1979	3 478 AT 13:00 MST ON MAY 2	3 47 B ON APR 30	0 023B ON MAR 14	9 380	1979
1980	3 858 AT 07:40 MST ON APR 22	1 85 B ON APR 22	0 001 ON MAY 27	4 370	1980
1981	1 608 AT 08:50 MST ON APR 19	1 18 B ON APR 18	0 001E ON SEP 15	4 680	1981
1982	---	2 30 B ON APR 23	0 B ON MAR 1	4 110	1982
1983	---	0 800E ON JUL 30	0 008E ON JUN 11	4 600	1983
1984	---	1 50 ON JUN 8	0 001E ON JUL 26	5 830	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		13 000	MEAN

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO 07CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	3 71	1 84	1 63	1 03	0 536	---	---	---	1982
1983	---	---	0 720	1 08	0 638	1 85	5 80	4 85	2 37	1 75	---	---	2 37	1983
1984	---	---	1 08	1 23	5 45	11 2	4 75	1 85	0 874	1 75	---	---	3 48	1984
MEAN	---	---	0 900	1 15	2 98	5 53	4 30	2 72	1 41	1 35	---	---	2 93	MEAN

LOCATION - LAT 58 40 35 N DRAINAGE AREA, 1 280 km^2
LONG 111 08 00 W

JACKFISH RIVER BELOW CHRISTINA LAKE - STATION NO. 07CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	...	...	...	...	1982
1983	7.37 AT 18:13 MST ON JUL 31	7.33 ON AUG 1	0.288 ON MAY 9 *	60 100	1983
1984	17.4 AT 13:58 MST ON JUN 5 *	17.1 ON JUN 5 *	0.484 ON SEP 8	73 800	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		82 000	MEAN

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	...	...	...	...	...	...	...	0.217	0.389	0.788	...	...	...	1971
1972	...	...	0.001	0.701	18.4	3.09	4.01	0.717	0.148	0.343	...	...	3.34	1972
1973	...	...	0.009	2.35	4.47	11.1	15.0	13.7	3.06	1.83	...	...	8.34	1973
1974	...	...	0.031	12.0	10.8	3.07	5.10	1.65	0.859	0.858	...	...	4.26	1974
1975	...	...	0	2.70	4.67	4.14	2.67	5.45	10.5	1.98	...	...	4.02	1975
1976	...	...	0.012	8.60	2.88	4.83	8.47	3.62	1.37	2.13	...	...	3.92	1976
1977	...	...	0.001	2.38	4.72	7.15	2.67	0.237	0.198	0.833	...	...	2.22	1977
1978	...	...	0.002	1.81	5.83	3.42	0.820	0.188	4.17	5.80	...	...	2.78	1978
1979	...	...	0.002	1.48	15.5	10.8	2.28	1.63	2.62	1.18	...	...	4.36	1979
1980	...	...	0.001	1.48	0.331	1.18	1.08	1.28	0.801	0.883	...	...	0.838	1980
1981	...	...	0	1.80	4.88	0.578	0.108	0.011	0.001	0.267	...	...	0.883	1981
1982	...	...	0	0.488	3.19	0.248	0.021	0.087	0.152	0.048	...	...	0.830	1982
1983	...	...	0	2.85	2.70	0.805	0.333	0.613	0.378	0.188	...	...	0.828	1983
1984	...	...	0.004	0.898	3.67	4.39	5.87	0.308	2.01	1.13	...	...	2.42	1984
MEAN	...	...	0.008	3.00	8.38	4.09	3.82	2.04	1.92	1.27	...	...	2.84	MEAN

LOCATION - LAT 58 11 35 N DRAINAGE AREA, 882 km^2
LONG 118 45 00 W NATURAL FLOW

JACKPINE CREEK AT WADLIN LAKE ROAD - STATION NO. 07JD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	...	...	...	...	1971
1972	34.8 AT 09:30 MST ON MAY 5	34.3 ON MAY 5	0 B ON MAR 12 *	70 800	1972
1973	43.8 AT 22:00 MST ON JUL 28 *	42.2 ON JUL 28 *	0 B ON MAR 1	134 000	1973
1974	38.2 AT 19:00 MST ON APR 23	36.0 ON APR 23	0.0288 ON MAR 17	90 700	1974
1975	33.7 AT 03:00 MST ON SEP 3	33.4 ON SEP 3	0 B ON MAR 1	85 000	1975
1976	23.6 AT 01:00 MST ON JUL 2	22.4 ON JUL 2	0 0108 ON MAR 1	83 100	1976
1977	13.8 AT 02:30 MST ON JUN 10	13.3 ON JUN 10	0 B ON MAR 18	47 000	1977
1978	10.1 AT 00:30 MST ON MAY 30	9.88 ON MAY 28	0 B ON MAR 19	58 400	1978
1979	28.8 B AT 13:30 MST ON MAY 2	28.8 B ON MAY 2	0 B ON APR 1	82 700	1979
1980	4.71 AT 04:30 MST ON JUL 30	4.67 ON JUL 30	0 B ON MAR 1	17 700	1980
1981	10.0 B AT 00:30 MST ON MAY 1	9.07 ON MAY 5	0 B ON MAR 1	18 900	1981
1982	8.27 AT 12:00 MST ON MAY 2	8.18 ON MAY 5	0 B ON MAR 1	11 200	1982
1983	8.17 AT 00:00 MST ON APR 28	4.88 ON APR 28	0 B ON MAR 1	18 700	1983
1984	17.4 AT 11:00 MST ON JUL 8	17.2 ON JUL 8	0 B ON MAR 11	61 400	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		80 000	MEAN

JAMES RIVER NEAR SUNDRE - STATION NO. 05CA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	...	...	2.28	3.67	7.49	6.28	13.2	10.2	3.82	2.98	...	...	6.22	1966
1967	...	...	1.37	1.87	17.0	18.6	4.67	2.08	1.30	1.34	...	...	5.08	1967
1968	...	...	1.30	2.02	4.85	5.19	6.32	4.08	3.01	4.85	...	...	4.14	1968
1969	...	...	1.31	5.08	9.34	12.8	30.7	4.91	3.47	2.24	1.48	1.03	6.85	1969
1970	0.877	0.724	0.804	2.87	8.12	18.8	...	...	...	1.90	1.08	0.788	...	1970
1971	0.836	1.04	0.808	7.08	5.61	10.6	3.88	1.53	1.27	1.27	0.709	0.482	4.00	1971
1972	0.517	0.436	1.08	3.30	8.47	22.1	14.8	6.41	4.18	3.03	...	...	7.50	1972
1973	...	...	1.42	8.26	21.7	18.1	6.57	2.44	2.63	3.00	...	...	7.36	1973
1974	...	...	1.21	8.80	18.7	11.2	3.93	2.04	2.03	3.22	...	...	8.15	1974
1975	...	...	0.880	3.21	4.77	3.48	3.07	2.86	...	1.88	...	...	...	1975
1976	...	...	...	3.18	3.11	4.08	3.70	7.26	2.84	1.48	...	...	...	1976
1977	...	...	...	2.17	11.8	8.08	3.36	3.48	4.40	3.21	...	...	...	1977
1978	...	...	1.38	6.43	8.80	14.3	8.85	6.07	8.88	3.88	...	...	8.84	1978
1979	...	...	1.88	3.28	7.04	8.34	3.70	3.28	1.88	1.34	...	...	3.18	1979
1980	...	...	0.840	4.88	3.85	12.2	6.74	3.80	3.28	2.18	...	...	4.88	1980
1981	...	...	1.02	1.86	18.8	10.8	24.8	15.4	4.02	3.07	...	...	8.88	1981
1982	...	...	0.711	2.82	6.88	8.08	18.6	6.08	3.38	3.14	...	...	8.87	1982
1983	...	...	1.38	8.88	8.40	8.81	11.6	3.48	1.80	1.41	...	...	4.81	1983
1984	...	...	1.08	2.30	7.38	8.80	1.83	1.08	1.84	2.30	...	...	2.82	1984
MEAN	0.843	0.733	1.18	3.82	8.30	10.8	8.84	4.88	2.84	2.41	1.08	0.783	5.84	MEAN

LOCATION - LAT 51 58 37 N DRAINAGE AREA, 831 km^2
LONG 114 41 04 W NATURAL FLOW

JAMES RIVER NEAR SUNDRE - STATION NO 05CA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	51 5 AT 23:00 MST ON JUL 3	43 0 ON JUL 4	1 16 B ON MAR 1	132 000	1966
1967	76 2 AT 11:45 MST ON MAY 31	61 2 ON MAY 31	0 8648 ON APR 11	127 000	1967
1968	15 3 AT 01:44 MST ON JUL 21	13 1 ON JUN 9	0 7088 ON MAR 11	87 700	1968
1969	114 AT 03:37 MST ON JUL 5	103 ON JUL 4	1 02 B ON MAR 1	183 000	1969
1970	151 AT 18:10 MST ON JUN 18	115 ON JUN 18	0 7858 ON MAR 1	---	1970
1971	40 8 AT 21:00 MST ON JUN 8	34 0 ON JUN 7	0 708 ON OCT 27	84 500	1971
1972	215 E ON JUN 25 *	184 E ON JUN 25 *	0 3748 ON MAR 16 *	158 000	1972
1973	63 7 AT 16:00 MST ON MAY 27	63 3 ON MAY 27	1 05 B ON MAR 28	186 000	1973
1974	40.2 AT 03:00 MST ON APR 28	31 7 ON APR 28	0 7488 ON APR 6	130 000	1974
1975	8 63 AT 03:30 MST ON MAY 9	9 15 ON MAY 9	0 5108 ON MAR 1	---	1975
1976	18 4 AT 20:30 MST ON AUG 9	15 6 ON AUG 10	---	---	1976
1977	21 8 AT 06:30 MST ON MAY 16	19 6 ON MAY 16	---	---	1977
1978	26 0 AT 22:30 MST ON JUN 6	22 7 ON MAY 31	0 7508 ON MAR 19	141 000	1978
1979	21 7 AT 02:00 MST ON JUN 21	18 6 ON JUN 21	0 4818 ON MAR 22	86 700	1979
1980	33 3 AT 11:00 MST ON JUN 5	31 3 ON JUN 5	0 6928 ON MAR 8	88 500	1980
1981	178 AT 20:20 MST ON JUL 30	109 ON JUL 30	0 6608 ON APR 5	211 000	1981
1982	84 4 A ON JUL 5	48 2 ON JUL 5	0 5388 ON MAR 5	120 000	1982
1983	58 8 AT 08:07 MST ON APR 25	46 0 ON APR 25	1 14 B ON MAR 1	104 000	1983
1984	46 5 AT 10:30 MST ON JUN 9	42 3 ON JUN 9	0 708 ON AUG 29	55 500	1984
				124 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JOHNSTON CREEK NEAR THE MOUTH - STATION NO 05BA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	2 28	1 34	0 959	---	---	---	1973
1974	---	---	---	---	1 18	---	6 36	3 13	1 38	0 783	---	---	---	1974
1975	---	---	---	---	1 41	5 05	5 10	2 45	1 40	0 787	---	---	2 88	1975
1976	---	---	---	---	6 28	6 87	7 34	5 12	3 52	1 21	---	---	4 72	1976
1977	---	---	---	---	2 77	5 04	3 12	2 58	1 70	0 842	---	---	2 83	1977
1978	---	---	---	---	1 78	7 80	5 57	2 14	1 86	1 28	---	---	3 36	1978
1979	---	---	---	---	1 73	5 86	4 07	1 69	1 09	0 738	---	---	2 62	1979
1980	---	---	---	---	5 58	6 19	2 71	1 64	1 83	0 821	---	---	3 24	1980
1981	---	---	---	---	5 63	5 46	6 80	3 11	1 47	0 855	---	---	3 93	1981
1982	---	---	---	---	1 72	9 11	4 43	1 90	1 71	0 867	---	---	3 28	1982
1983	---	---	---	---	3 19	5 81	4 10	1 83	1 08	0 714	---	---	2 73	1983
1984	---	---	---	---	1 12	6 31	4 25	1 87	1 85	1 12	---	---	3 06	1984
MEAN	---	---	---	---	2 66	6 60	4 90	2 46	1 68	0 927	---	---	3 24	MEAN

LOCATION - LAT 51 14 40 N, LONG 115 50 30 W
DRAINAGE AREA, 124 km^2
NATURAL FLOW

JOHNSTON CREEK NEAR THE MOUTH - STATION NO 05BA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	---	---	---	---	1974
1975	10 5 AT 21:00 MST ON JUL 4	8 09 ON JUL 4	0 3685 ON MAY 1	42 800	1975
1976	14 2 AT 23:30 MST ON JUN 30	12 2 ON JUL 1	0 7458 ON OCT 23	75 000	1976
1977	18.1 AT 20:30 MST ON JUN 7	14 6 ON JUN 8	0 654 ON OCT 30	45 000	1977
1978	14.4 AT 21:30 MST ON JUN 5	11 1 ON JUN 6	0 773 ON MAY 8	53 400	1978
1979	10 6 AT 21:30 MST ON JUN 12	8 75 ON JUN 12	0 660E ON MAY 1	40 100	1979
1980	14.2 AT 21:10 MST ON JUN 18	8 67 ON MAY 21	0 401A ON OCT 31	61 400	1980
1981	35 6 AT 03:00 MST ON MAY 26 *	28 4 ON MAY 26 *	0 772A ON OCT 27	82 500	1981
1982	24 2 AT 21:15 MST ON JUN 14	15 9 ON JUN 14	0 267E ON MAY 13 *	52 200	1982
1983	25 7 AT 20:40 MST ON MAY 28	16 7 ON MAY 30	0 600 ON OCT 30	43 400	1983
1984	34.2 AT 17.50 MST ON JUN 28	25 6 ON JUN 28	0.350E ON MAY 3	48 700	1984
				51 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

JOSLYN CREEK NEAR FORT MACKAY - STATION NO 07DA016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	1 22	1 45	0 733	0 284	0 083	---	1975
1976	0.045	0.020	0.012	4.56	0 854	---	---	0 380	0 265	0 629	0 144	0 008	---	1976
1977	0.013	0.024	0.021	0.648	0.480	0 289	0 766	0 281	0 234	0 361	0 081	0 034	0 388	1977
1978	0.013	0.004	0.002	3.33	3 18	0.738	0 164	0 178	3 02	1.01	0 331	0 053	1.32	1978
1979	0.015	0.008	0.007	1.04	8 46	0.908	0.125	0.200	0 443	0.203	0 167	0 048	1.18	1979
1980	0.037	0.038	0.037	0.818	0.248	0 187	0.342	0 714	0 483	0 280	0 134	0 004	0 383	1980
1981	0.004	0.003	0.002	0.678	1.80	0.428	0.388	0.047	0 002	0.134	---	---	0.463	1981
1982	---	---	0.002	0.808	2 63	0 232	0 057	0 112	0 077	0.138	---	---	0.470	1982
1983	---	---	0.051	2.70	0.818	0.821	0.554	0 207	0.085	0 144	---	---	0.843	1983
1984	---	---	0.020	1.19	0.448	3 43	0.890	0.594	0.507	0.498	---	---	0.857	1984
MEAN	0.021	0.018	0.017	1.88	1.88	0.860	0.407	0.388	0.867	0.414	0 185	0.038	0.717	MEAN

LOCATION - LAT 57 16 27 N, LONG 111 44 30 W
DRAINAGE AREA, 267 km^2
NATURAL FLOW

JOSLYN CREEK NEAR FORT MACKAY - STATION NO. 07DA016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	15 4 AT 01 10 MST ON APR 14 *	14 4 ON APR 14	0 0038 ON MAR 3	---	1976
1977	3 28 AT 18 10 MST ON JUL 4	1 83 ON JUL 5	0 0078 ON APR 3	7 810	1977
1978	---	11 9 E ON APR 28	0 E ON MAR 3 *	27 900	1978
1979	12 2 AT 15 15 MST ON MAY 10	11 8 ON MAY 11	0 0018 ON MAR 1	35 200	1979
1980	3 74 AT 21 30 MST ON AUG 5	2 03 ON AUG 5	0 002 ON JUL 4	7 880	1980
1981	5 62 AT 03 35 MST ON MAY 1	5 16 ON MAY 1	0 0028 ON MAR 1	8 380	1981
1982	8 32 AT 18 47 MST ON MAY 1	8 348 ON MAY 1	0 0028 ON MAR 1	8 860	1982
1983	10 9 AT 18 15 MST ON APR 23	10 4 E ON APR 23	0 024 ON SEP 9	13 800	1983
1984	---	23 0 E ON JUN 3 *	0 0018 ON MAR 1	18 800	1984
				18 200	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JUMPINGPOUND CREEK AT BATEMAN'S RANCH - STATION NO. 05BH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	4 31	3 40	---	---	---	---	---	---	---	1972
MEAN	---	---	---	---	4 31	3 40	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 51 01 22 N, LONG 114 38 50 W DRAINAGE AREA, 240 km^2, NATURAL FLOW

JUMPINGPOUND CREEK AT BATEMAN'S RANCH - STATION NO. 05BH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	8 78 ON JUN 25 *	---	---	1972
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.880	0.238	0 127	---	---	---	1976
1977	---	---	---	---	0 883	0 337	0 180	0.259	0 394	0 236	---	---	0.303	1977
1978	---	---	---	---	1 01	1 21	0 888	0.329	0.253	0 184	---	---	0.605	1978
1979	---	---	---	---	0 871	0 627	0 231	0.118	0.078	0 058	---	---	0 348	1979
1980	---	---	---	---	0.857	1 83	0 181	0 188	0.247	0 178	---	---	0.624	1980
1981	---	---	---	---	2.80	2.24	0.883	0 877	0.138	0 080	---	---	1.12	1981
1982	---	---	---	---	0 349	1.62	0 417	0 121	0 085	0 087	---	---	0.442	1982
1983	---	---	---	---	1 05	0.661	0 738	0 136	0 088	0 080	---	---	0.480	1983
1984	---	---	---	---	0.262	0 781	0.173	0 086	0 084	0 108	---	---	0.262	1984
MEAN	---	---	---	---	0 880	1 13	0.446	0.309	0 180	0.133	---	---	0.606	MEAN

LOCATION - LAT 51 00 08 N, LONG 114 58 14 W DRAINAGE AREA, 38 0 km^2, NATURAL FLOW

JUMPINGPOUND CREEK NEAR COX HILL - STATION NO. 05BH013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1.63 AT 02:30 MST ON MAY 24	1 40 ON MAY 24	0.081 ON AUG 1	4 820	1977
1978	2 36 AT 19:30 MST ON MAY 21	1 81 ON JUN 6	0.127 ON OCT 28	9 640	1978
1979	3.77 AT 18:00 MST ON MAY 24	3.03 ON MAY 24	0.0328 ON OCT 28	5 530	1979
1980	7.36 AT 05:00 MST ON JUN 3	5.78 ON JUN 3	0.118 ON JUL 28	8 330	1980
1981	12.3 AT 18:00 MST ON MAY 31 *	9.78 ON JUN 1 *	0.062 ON OCT 23	17 700	1981
1982	3.66 AT 20:38 MST ON JUN 6	3.43 ON JUN 6	0.0858 ON OCT 31	7 020	1982
1983	2 63 AT 23:36 MST ON JUL 3	2.30 ON JUL 4	0.0738 ON OCT 28	7 320	1983
1984	3.18 AT 22:58 MST ON JUN 10	3.07 ON JUN 10	0.0308 ON OCT 31 *	3 850	1984
				8 030	MEAN

E - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

JUMPINGPOUND CREEK NEAR JUMPING POUND - STATION NO. 05BH008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	11.6	2.68	1.40	0.813	---	---	---	---	1908
1909	---	---	---	---	8.31	5.34	3.44	1.75	0.899	0.588	---	---	---	1909
1910	---	---	---	---	0.634	1.15	0.188	0.252	1.61	0.488	---	---	---	1910
1911	---	---	---	---	3.80	6.13	5.82	10.1	5.20	---	---	---	---	1911
1912	---	---	---	---	4.88	5.89	20.0	8.30	4.10	2.86	---	---	---	1912
1913	---	---	---	---	4.07	6.27	3.38	3.78	1.47	0.748	---	---	---	1913
1914	---	---	---	---	1.62	1.89	1.14	0.523	0.330	0.737	---	---	---	1914
1915	---	---	---	0.787	9.88	29.6	27.4	8.81	3.90	3.88	---	---	---	1915
1916	---	---	---	---	10.6	43.7	8.43	13.7	21.8	4.20	---	---	---	1916
1917	---	---	---	---	16.0	25.8	2.10	1.50	1.58	1.04	---	---	---	1917
1918	---	---	---	---	2.88	3.81	1.27	1.01	0.838	0.884	---	---	---	1918
1919	---	---	---	---	1.80	1.02	0.480	3.26	0.888	0.580	---	---	---	1919
1933	---	---	---	---	---	2.78	1.41	1.23	---	---	---	---	---	1933
MEAN	---	---	---	0.787	5.85	11.2	5.98	3.97	3.61	1.58	---	---	---	MEAN

LOCATION - LAT 51 04 08 N DRAINAGE AREA, 455 km²
LONG 114 32 47 W NATURAL FLOW

JUMPINGPOUND CREEK NEAR JUMPING POUND - STATION NO. 05BH008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	---	---	---	1908
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	34.0 ON AUG 8 *	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	12.9 ON APR 8	---	---	1914
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1933	---	---	---	---	1933
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	5.78	5.58	4.41	---	---	---	1985
1986	---	---	0.382	0.788	4.17	5.04	3.90	1.55	0.821	0.882	---	---	---	1986
1987	---	---	0.277	2.91	9.82	12.6	1.71	0.692	0.273	0.280	---	---	---	1987
1988	---	---	0.206	1.01	1.83	5.49	1.52	1.03	1.05	2.56	---	---	---	1988
1989	---	---	2.11	3.94	10.4	14.2	18.2	2.08	0.888	0.843	---	---	---	1989
1970	---	---	0.226	2.34	4.17	11.1	2.93	0.528	0.308	0.288	0.280	0.139	---	1970
1971	0.089	0.372	0.288	3.24	4.30	7.81	1.18	0.359	0.328	0.393	0.313	0.034	1.54	1971
1972	0.008	0.001	1.90	1.80	4.88	4.47	2.58	0.848	0.831	0.721	0.514	0.241	1.57	1972
1973	0.323	0.270	0.738	2.08	7.85	7.02	1.40	0.513	0.883	0.577	0.271	0.283	1.88	1973
1974	0.084	0.180	0.258	3.35	11.0	7.40	1.45	1.10	0.871	0.845	0.313	0.184	2.23	1974
1975	0.114	0.087	0.131	1.77	3.17	3.57	1.10	0.704	0.404	0.382	0.171	0.171	0.800	1975
1976	0.157	0.213	0.233	1.00	2.81	1.43	0.847	2.81	0.884	0.508	0.288	0.188	0.841	1976
1977	0.188	0.218	0.287	0.863	1.82	0.831	0.415	0.837	0.738	0.738	0.367	0.170	0.598	1977
1978	0.117	0.180	1.75	1.78	4.84	4.43	3.33	1.98	1.84	0.803	0.883	0.286	1.84	1978
1979	0.027	0.027	1.22	2.38	4.87	3.10	0.705	0.489	0.280	0.288	0.250	0.155	1.08	1979
1980	0.031	0.018	0.025	1.87	2.80	8.82	0.787	0.814	0.883	0.852	0.843	0.001	1.28	1980
1981	0.320	0.188	0.418	0.428	12.3	10.8	4.88	4.10	1.01	0.720	0.431	0.182	2.87	1981
1982	0.008	0	0.070	1.88	1.48	5.73	2.31	0.480	0.488	0.448	0.227	0.118	1.08	1982
1983	0.108	0.120	0.243	2.74	3.81	2.15	2.84	0.448	0.282	0.288	0.181	0.043	1.09	1983
1984	0.048	0.140	0.228	0.484	0.582	3.47	0.383	0.088	0.188	0.284	0.134	0.088	0.415	1984
MEAN	0.114	0.143	0.577	1.91	5.04	5.98	2.85	1.38	0.947	0.828	0.330	0.191	1.38	MEAN

LOCATION - LAT 51 09 16 N DRAINAGE AREA, 571 km²
LONG 114 31 42 W NATURAL FLOW

JUMPINGPOUND CREEK NEAR THE MOUTH - STATION NO. 05BH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	---	---	1985
1986	28.3 AT 18:00 MST ON JUL 3	21.2 ON JUL 3	---	---	1986
1987	115 AT 08:05 MST ON MAY 31	98.0 ON MAY 31	---	---	1987
1988	23.8 AT 01:05 MST ON JUN 8	20.2 ON JUN 8	---	---	1988
1989	138 AT 15:24 MST ON JUN 29 *	99.7 ON JUN 29 *	---	---	1989
1970	91.5 AT 12:50 MST ON JUN 14	71.8 ON JUN 14	---	---	1970
1971	40.2 AT 21:00 MST ON JUN 6	30.3 ON JUN 7	0 B ON DEC 20 *	48 400	1971
1972	14.8 AT 04:00 MST ON JUN 25	13.5 ON JUN 25	0 B ON JAN 1	49 800	1972
1973	32.6 AT 05:00 MST ON MAY 27	30.0 ON MAY 27	0.1138 ON DEC 31	58 700	1973
1974	18.1 AT 11:30 MST ON MAY 27	17.5 ON MAY 27	0.0078 ON JAN 17	70 300	1974
1975	8.47 AT 07:00 MST ON JUN 21	8.21 ON JUN 21	0.0128 ON FEB 3	28 400	1975
1976	8.98 AT 01:30 MST ON AUG 10	8.07 ON AUG 10	0.0678 ON JAN 5	29 800	1976
1977	4.45 AT 16:30 MST ON MAY 16	3.88 ON MAY 16	0.0288 ON DEC 8	18 800	1977
1978	11.3 AT 07:40 MST ON MAY 17	10.4 ON JUL 19	0.0318 ON DEC 28	57 800	1978
1979	7.42 AT 15:00 MST ON MAY 25	7.10 ON MAY 25	0 B ON JAN 18	33 100	1979
1980	24.7 AT 05:00 MST ON JUN 4	22.7 ON JUN 4	0 B ON JAN 10	40 000	1980
1981	43.5 AT 12:45 MST ON JUN 1	38.2 ON MAY 22	0.0508 ON FEB 12	93 700	1981
1982	12.4 AT 21:02 MST ON JUN 28	9.77 ON JUN 28	0 B ON JAN 5	34 000	1982
1983	25.4 AT 10:43 MST ON APR 25	17.7 ON APR 25	0 B ON DEC 23	34 400	1983
1984	10.7 AT 10:50 MST ON JUN 9	9.30 ON JUN 9	0 B ON DEC 31	13 100	1984
				43 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	15.1	11.2	---	---	---	1975
1976	---	---	---	---	---	---	87.4	89.7	50.9	21.6	---	---	---	1976
1977	---	---	---	---	126	122	89.6	52.9	48.4	47.8	---	---	82.8	1977
1978	---	---	---	---	86.8	102	88.0	28.4	43.8	28.2	---	---	55.7	1978
1979	---	---	---	---	85.6	155	79.1	22.8	13.3	11.7	---	---	81.7	1979
1980	---	---	---	---	74.0	188	48.5	25.8	38.8	25.8	---	---	87.0	1980
1981	---	---	---	---	100	87.1	44.8	25.8	11.2	8.05	---	---	42.9	1981
1982	---	---	---	---	82.8	150	218	89.8	46.3	25.8	---	---	103	1982
1983	---	---	3.08	14.7	62.2	93.2	124	31.3	18.5	12.8	---	---	57.4	1983
1984	---	---	5.07	15.2	43.0	117	83.9	20.1	47.8	83.8	---	---	55.7	1984
MEAN	---	---	4.08	15.0	81.8	125	81.4	43.8	33.0	24.7	---	---	85.8	MEAN

LOCATION - LAT 54 22 20 N DRAINAGE AREA, 3 300 km^2
LONG 118 35 40 W NATURAL FLOW

KAKWA RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	278E ON JUN 27	278E ON JUN 27	---	---	1976
1977	368 AT 05:00 MST ON MAY 6	308 ON MAY 6	30.6 ON SEP 24	1 320 000	1977
1978	292 AT 21:00 MST ON JUL 11	220 ON JUN 23	17.8 ON AUG 31	885 000	1978
1979	317 AT 10:30 MST ON MAY 27	275 ON MAY 27	10.2 ON OCT 28	881 000	1979
1980	736 AT 21:30 MST ON JUN 4	683 ON JUN 4	14.0 E ON AUG 5	1 070 000	1980
1981	228 AT 19:30 MST ON MAY 25	205 ON MAY 27	7.08 ON OCT 23 *	882 000	1981
1982	2 700 AT 21:00 MST ON JUL 15 *	1 680A ON JUL 15 *	17.5 E ON OCT 29	1 840 000	1982
1983	567A ON JUL 15	400E ON JUL 15	11.8 E ON OCT 26	813 000	1983
1984	192 AT 20:00 MST ON JUN 7	160A ON JUN 8	8.498 ON OCT 28	884 000	1984
				1 050 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	11.9	11.4	8.69	2.13	---	---	---	1931
1932	---	---	---	0.042	4.00	15.2	12.6	11.2	7.63	2.72	0.988	0.026	---	1932
1933	2.76	0.489	0.028	0.088	8.61	11.6	15.6	7.85	4.88	1.18	1.01	4.18	4.74	1933
1934	4.04	4.44	0.884	0.867	3.31	11.0	11.4	11.0	8.84	0.814	1.88	3.81	5.22	1934
1935	1.46	0.898	0.446	0.428	---	---	---	---	---	---	---	---	---	1935
MEAN	2.76	1.85	0.446	0.377	4.84	12.8	13.0	10.4	7.13	1.71	1.33	2.71	4.88	MEAN

LOCATION - LAT 50 37 20 N DRAINAGE AREA, 151 km^2 DATA CONTRIBUTED BY -
LONG 115 07 30 W REGULATED TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER ABOVE LOWER LAKE - STATION NO. 05BF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	17.8 ON JUN 16	---	---	1932
1933	---	22.0 ON MAY 15 *	0.028 ON JAN 1 *	149 000	1933
1934	---	15.5E ON SEP 2	0.178 ON OCT 29	164 000	1934
1935	---	---	---	---	1935
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		157 000	MEAN

E - ESTIMATED

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	17.8	14.8	9.83	3.03	---	---	---	1931
1932	---	---	---	---	---	28.8	31.0	17.2	11.5	4.87	2.29	1.38	---	1932
1933	3.77	1.31	0.889	0.855	10.9	27.5	26.7	14.5	8.04	3.37	2.20	5.09	8.83	1933
1934	4.84	5.39	1.72	3.52	14.3	19.9	17.8	15.4	11.7	2.58	2.77	5.24	8.78	1934
1935	2.37	1.26	0.891	0.870	3.12	16.7	22.0	12.7	3.33	3.46	4.32	8.37	6.68	1935
1936	5.38	4.92	0.939	1.03	8.19	17.2	19.1	12.2	3.15	2.33	5.87	9.20	7.48	1936
1937	7.35	2.08	0.788	1.01	4.58	10.2	18.6	18.7	5.40	3.13	4.09	1.98	6.40	1937
1938	1.87	1.47	3.11	2.37	9.81	30.6	23.5	12.2	5.78	5.29	2.76	6.59	8.82	1938
1939	3.92	6.28	3.76	1.80	8.00	9.11	14.3	14.6	9.84	3.80	3.13	5.10	8.91	1939
1940	8.80	9.08	8.20	1.14	8.24	11.6	12.8	14.1	14.0	5.58	8.81	7.72	8.78	1940
1941	5.48	4.15	---	---	4.04	7.98	12.0	12.0	7.58	4.41	3.08	---	---	1941
1942	---	---	---	1.70	7.54	11.2	11.1	5.98	---	---	---	---	---	1942
1943	---	---	---	---	3.27	8.50	11.2	4.98	2.22	---	---	---	---	1943
1944	8.88	8.83	7.71	4.47	4.28	8.81	5.28	4.57	2.75	1.44	4.88	10.7	5.98	1944
1945	8.34	8.28	8.81	4.28	3.87	10.8	7.88	4.18	2.53	1.83	9.80	10.4	8.58	1945
1946	8.84	7.83	8.84	4.78	8.38	12.8	8.08	4.56	3.84	4.12	11.2	12.3	7.78	1946
1947	10.7	8.28	7.72	8.21	8.43	13.8	8.84	4.38	7.80	7.78	11.3	11.8	8.97	1947
1948	10.3	9.11	7.31	5.88	11.3	18.5	8.40	5.61	5.09	5.77	9.13	11.8	8.89	1948
1949	10.3	9.18	7.88	4.78	5.24	8.13	4.78	4.18	2.20	2.18	9.80	9.12	6.27	1949
1950	8.13	8.84	4.02	4.73	3.24	13.8	8.88	3.98	2.87	8.40	11.5	10.6	7.07	1950
1951	9.77	8.38	8.73	3.88	7.87	11.4	14.1	5.45	7.08	7.11	12.2	12.1	8.85	1951
1952	10.7	8.83	7.20	8.88	8.11	8.80	8.88	4.23	2.52	1.80	10.8	11.7	7.08	1952
1953	10.5	8.27	8.82	8.19	3.13	11.9	8.85	4.18	2.44	1.82	8.86	11.7	7.11	1953
1954	10.8	8.08	7.71	8.88	8.36	13.5	13.7	8.92	8.18	8.43	13.2	13.3	8.23	1954
1955	11.3	8.88	8.44	0.873	1.37	8.32	---	---	---	---	---	---	---	1955
1975	12.8	13.8	17.3	0.588	0.185	0.492	2.83	1.55	5.78	2.12	7.23	12.1	8.35	1975
1976	18.6	18.6	16.2	0.883	1.11	3.02	0.902	10.2	10.4	8.48	8.27	8.08	8.33	1976
1977	13.3	12.8	7.18	8.27	1.12	1.01	0.272	0.337	0.188	8.83	18.4	8.74	8.11	1977
1978	8.18	14.0	15.2	1.88	0.374	0.718	2.85	8.38	8.82	7.22	8.04	11.8	8.87	1978
1979	11.0	13.3	10.4	8.18	1.08	0.080	0.388	1.82	10.8	3.80	5.08	7.52	8.18	1979
1980	8.24	12.8	12.8	8.58	1.48	8.87	3.05	3.00	3.80	8.20	15.2	14.2	8.28	1980
1981	17.7	11.3	0.083	0.183	0.353	8.38	8.38	11.5	7.88	8.12	14.2	10.8	7.88	1981
1982	10.2	13.8	12.8	8.77	0.388	2.03	2.84	0.881	1.48	3.41	8.75	12.8	8.48	1982
1983	12.7	12.8	12.0	8.13	1.20	0.844	0.398	3.87	8.08	8.02	8.74	11.8	7.00	1983
1984	12.2	12.0	8.80	2.88	0.874	0.338	0.834	2.58	4.18	3.33	8.77	11.0	5.44	1984
MEAN	9.23	8.85	7.08	3.84	4.72	10.8	10.2	7.68	5.85	4.47	8.18	9.81	7.43	MEAN

LOCATION - LAT 50 42 00 N
LONG 115 07 05 W

DRAINAGE AREA, 382 km^2
REGULATED SINCE 1932

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

KANANASKIS RIVER ABOVE POCATERRA CREEK - STATION NO. 05BF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1933	---	43.6E ON JUN 2	---	---	1933
1934	---	48.2 ON JUN 15 *	0.595 ON FEB 14	278 000	1933
		28.9 ON MAY 30	1.12 B ON NOV 23	278 000	1934
1935	---	24.7 ON JUL 25	0.783 ON APR 28	210 000	1935
1936	---	26.6 ON JUN 2	0.786 ON APR 1	237 000	1936
1937	---	23.9E ON JUL 15	0.708B ON MAR 27	302 000	1937
1938	---	36.2 ON JUN 22	1.02 B ON MAR 5	276 000	1938
1939	---	15.7 ON JUL 31	1.39 ON APR 27	216 000	1939
1940	---	22.7E ON SEP 5	1.05 ON APR 28	277 000	1940
1941	---	17.5 ON JUL 20	---	---	1941
1942	---	22.6 ON JUN 5	---	---	1942
1943	---	17.7 ON JUL 9	---	---	1943
1944	---	11.6 ON NOV 23	0.681 ON NOV 13	189 000	1944
1945	---	22.0 ON JUN 22	1.53 ON MAY 22	207 000	1945
1946	---	24.5 ON MAY 28	2.16 ON OCT 30	248 000	1946
1947	---	19.3 ON JUN 3	2.88 ON MAY 1	283 000	1947
1948	---	45.0 ON MAY 24	3.08 ON MAY 12	281 000	1948
1949	---	11.2 ON JAN 3	1.12 ON OCT 27	188 000	1949
1950	---	26.6 ON JUN 15	1.61 ON SEP 18	233 000	1950
1951	---	23.7 ON JUN 15	2.52 ON APR 30	279 000	1951
1952	---	13.3 ON JUN 5	1.18 ON NOV 1	224 000	1952
1953	---	23.4 ON JUN 13	1.41 ON OCT 25	224 000	1953
1954	---	21.3 ON JUL 2	2.15 ON MAY 15	281 000	1954
1955	---	26.7 ON JUN 13	---	---	1955
1975	---	27.2 ON JUL 4	0.028 ON APR 5 *	200 000	1975
1976	---	28.4 ON JAN 7	0.057 ON APR 3	283 000	1976
1977	30.0 ON DEC 30	29.4 ON NOV 20	0.028 ON JAN 25	193 000	1977
1978	32.3 AT 13:00 MST ON OCT 12	18.8 ON FEB 25	0.028 ON JAN 11	220 000	1978
1979	---	17.8 ON FEB 22	0.028 ON APR 28	194 000	1979
1980	---	20.1 ON NOV 18	0.028 ON APR 13	282 000	1980
1981	34.5 AT 15:26 MST ON NOV 24	23.9 ON JAN 31	0.073 ON MAR 17	248 000	1981
1982	40.6 AT 09:39 MST ON OCT 28 *	20.2 ON JAN 21	0.028 ON APR 20	204 000	1982
1983	---	16.8 ON MAR 11	0.038 ON APR 15	221 000	1983
1984	---	15.8 ON FEB 13	0.035 ON APR 8	172 000	1984
				234 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER AT CANYON ABOVE LOWER FALLS - STATION NO. 05BF022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	---	---	---	---	3.32	2.17	5.09	---	1933
1934	4.68	5.31	1.84	3.38	14.4	19.9	17.9	15.2	11.7	2.55	2.71	---	---	1934
1935	---	---	---	---	3.20	16.5	---	---	---	---	---	---	---	1935
MEAN	4.68	5.31	1.84	3.38	8.80	18.4	17.9	15.2	11.7	2.94	2.44	5.09	---	MEAN

LOCATION - LAT 50 42 00 N LONG 115 08 00 W
DRAINAGE AREA, 387 km^2
REGULATED

KANANASKIS RIVER AT CANYON ABOVE LOWER FALLS - STATION NO. 05BF022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	29.7 ON MAY 30 *	0.884 ON MAR 24 *	---	1934
1935	---	---	---	---	1935
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

KANANASKIS RIVER AT OUTLET OF LOWER LAKE - STATION NO. 05BF010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	---	13.8	12.2	7.86	3.87	1.44	0.383	---	1932
1933	3.85	0.631	0.206	0.231	5.99	13.6	16.1	8.37	5.24	1.43	1.08	4.14	5.13	1933
1934	3.84	4.41	1.08	1.87	5.71	11.5	11.4	11.2	8.02	1.08	1.58	4.24	5.85	1934
1935	1.82	0.807	0.434	0.434	0.835	5.50	13.2	7.91	0.812	2.28	3.40	7.36	3.83	1935
1936	4.82	4.44	0.527	0.502	3.85	8.88	12.8	7.97	0.885	1.11	4.62	8.25	4.80	1936
1937	5.20	1.85	0.440	0.515	1.83	2.13	11.8	11.0	2.78	1.38	2.57	1.10	3.85	1937
1938	0.905	0.870	2.80	2.08	6.22	18.8	16.7	8.35	3.41	4.00	1.37	8.18	6.00	1938
1939	3.37	7.87	2.85	0.721	1.82	2.71	8.82	10.4	8.47	1.54	1.83	3.81	4.15	1939
1940	5.85	7.80	4.09	0.745	2.84	3.83	8.44	8.85	8.28	3.70	7.50	8.87	5.73	1940
1941	5.09	---	---	---	1.87	2.08	7.40	8.88	4.72	2.51	2.10	---	---	1941
1942	---	---	---	1.08	2.25	2.77	1.89	0.821	---	---	---	---	---	1942
1943	---	---	---	---	1.01	1.88	1.78	0.433	0.203	---	---	---	---	1943
1944	---	---	---	---	---	---	---	---	---	0.185	3.40	8.18	---	1944
1945	7.58	8.88	8.03	3.72	1.27	3.87	1.84	0.473	0.313	0.286	7.10	7.81	3.90	1945
1946	7.17	8.72	8.48	4.88	3.33	2.63	1.21	0.537	0.739	2.88	10.0	11.1	4.78	1946
1947	8.87	8.84	7.89	5.05	2.48	2.89	1.20	0.588	4.84	8.07	10.2	10.8	5.84	1947
1948	8.33	---	---	---	---	---	---	---	---	---	---	---	---	1948
MEAN	5.29	4.82	2.97	1.77	3.01	5.98	8.27	8.58	4.04	2.30	4.14	5.18	4.85	MEAN

LOCATION - LAT 50 40 30 N DRAINAGE AREA, 205 km²
LONG 115 08 10 W REGULATED

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1932	---	---	---	---	1932
1933	---	17.7 ON JUN 23	0.187 ON MAR 21 *	162 000	1933
1934	---	14.5 ON SEP 3	0.294 ON NOV 5	175 000	1934
1935	---	15.3 ON JUL 28	0.255 ON MAY 4	121 000	1935
1936	---	14.9 ON AUG 2	0.396 ON APR 1	155 000	1936
1937	---	14.6 ON JUL 15	0.3888 ON MAR 27	115 000	1937
1938	---	23.6 ON MAY 30 *	0.850 ON FEB 21	189 000	1938
1939	---	11.2 ON FEB 20	0.476 ON APR 28	131 000	1939
1940	---	12.5 ON FEB 24	0.823 ON APR 28	181 000	1940
1941	---	11.6 ON JUL 23	---	---	1941
1942	---	11.2 ON JAN 17	---	---	1942
1943	---	15.8 ON FEB 9	---	---	1943
1944	---	---	---	---	1944
1945	---	9.08E ON JUN 24	0.241E ON OCT 1	123 000	1945
1946	---	11.8 ON NOV 23	0.382 ON AUG 22	151 000	1946
1947	---	12.5 ON SEP 24	0.382 ON SEP 4	184 000	1947
1948	---	---	---	---	1948
				153 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER BELOW BARRIER DAM - STATION NO. 05BF025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	14.1	14.7	19.6	9.80	8.43	15.1	15.0	8.42	9.95	5.84	10.4	12.7	12.0	1975
1976	17.4	20.6	17.4	10.8	13.1	15.2	9.61	19.4	17.4	9.78	11.1	11.2	14.4	1976
1977	15.7	14.2	11.6	8.43	8.80	11.6	5.44	8.07	5.95	8.19	17.8	8.55	10.4	1977
1978	8.73	15.6	16.8	8.95	10.5	21.3	13.9	12.4	11.6	12.4	11.9	14.6	13.2	1978
1979	11.7	15.3	13.6	14.9	14.1	12.3	4.57	8.97	13.6	5.71	8.14	8.67	10.6	1979
1980	8.76	13.6	14.7	10.6	15.9	35.4	10.2	8.82	8.48	13.4	18.8	18.6	14.6	1980
1981	20.6	14.6	3.88	4.78	23.7	32.7	28.2	19.8	12.9	12.6	17.8	12.2	17.1	1981
1982	10.6	16.3	15.8	16.7	7.56	25.1	12.2	8.86	4.81	6.87	10.0	15.3	12.4	1982
1983	15.5	15.6	15.0	10.6	15.0	14.0	10.2	7.38	12.2	9.36	10.6	12.7	12.4	1983
1984	15.3	14.6	11.6	10.5	6.81	16.6	7.27	7.37	6.98	7.47	8.57	12.7	10.5	1984
MEAN	14.0	15.6	14.0	10.6	12.6	19.9	11.6	10.3	10.5	9.26	12.4	12.6	12.6	MEAN

LOCATION - LAT 51 02 30 N DRAINAGE AREA, 899 km²
LONG 115 01 55 W REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	32.0 ON JUN 23	0.227E ON MAY 12	378 000	1975
1976	---	32.0 ON AUG 8	0.255 ON MAY 31	456 000	1976
1977	55.5 AT 12:10 MST ON MAY 13 *	31.4 ON NOV 24	0.255 ON SEP 20	327 000	1977
1978	30.8 IN JUN	29.4 ON JUN 8	0.283 ON APR 2	417 000	1978
1979	---	26.8 ON MAY 19	0.142 ON MAY 23 *	334 000	1979
1980	---	51.1 ON JUN 4	0.198 ON MAR 27	487 000	1980
1981	---	61.4 ON MAY 28 *	0.193 ON SEP 15	538 000	1981
1982	---	31.8 ON JUN 18	0.377 ON MAY 18	391 000	1982
1983	---	31.1 ON MAY 26	0.388 ON NOV 16	392 000	1983
1984	---	31.1 ON JUN 13	0.282 ON MAY 13	331 000	1984
				403 000	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER IN CANAL BELOW UPPER DAM SITE - STATION NO. 05BF021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1933	---	---	---	---	---	---	---	---	---	1.14	0.889	3.88	---	1933
1934	3.72	4.23	0.788	0.880	3.03	10.5	10.8	11.0	8.83	0.732	1.84	3.83	5.03	1934
1935	1.47	0.843	0.410	0.401	0.114	4.88	12.1	8.71	0.881	2.01	3.29	7.88	3.38	1935
1936	4.98	4.20	0.447	0.472	3.07	8.23	12.7	7.31	0.889	1.13	5.15	8.38	4.74	1936
1937	8.29	1.42	0.408	0.470	0.881	0.128	11.1	11.1	2.22	1.12	1.88	1.00	3.21	1937
1938	0.853	0.813	2.71	1.98	5.33	15.2	15.6	8.80	3.31	3.88	1.10	8.42	5.82	1938
1939	3.00	8.11	2.85	0.488	1.30	1.23	8.83	10.8	8.10	1.08	1.31	3.81	3.87	1939
1940	5.90	8.20	4.01	0.878	1.80	2.88	8.27	10.1	8.03	3.24	7.38	8.88	5.48	1940
1941	4.98	3.87	1.07	0.808	1.08	1.28	7.88	8.78	4.47	2.21	2.10	2.82	3.38	1941
1942	8.48	8.20	1.48	0.484	---	---	---	---	---	---	---	---	---	1942
MEAN	4.41	4.48	1.84	0.888	2.08	8.81	10.4	8.28	4.41	1.88	2.78	4.84	4.33	MEAN

LOCATION - LAT 50 38 40 N DRAINAGE AREA, 151 km²
LONG 115 07 20 W REGULATED

KANANASKIS RIVER IN CANAL BELOW UPPER DAM SITE - STATION NO. 05BF021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1933	---	---	---	---	1933
1934	---	14.0 ON SEP 2	0.147 ON OCT 31	159 000	1934
1935	---	14.2 ON JUL 28	0.087E ON APR 27 *	107 000	1935
1936	---	14.0 ON AUG 2	0.388E ON APR 1	150 000	1936
1937	---	14.4 ON JUL 19	0.078 ON JUN 13	101 000	1937
1938	---	20.1 ON JUN 22 *	0.708E ON NOV 28	174 000	1938
1939	---	12.4 ON FEB 18	0.088 ON MAY 2	122 000	1939
1940	---	13.2 ON FEB 19	0.088 ON APR 30	173 000	1940
1941	---	11.8 ON JUL 21	0.278 ON APR 25	107 000	1941
1942	---	12.5 ON JAN 20	0.088E ON APR 28	---	1942
				137 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KANANASKIS RIVER NEAR SEEBE - STATION NO. 05BF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	20.2	8.48	---	---	---	1911
1912	3.84	3.65	3.65	3.63	13.5	44.8	56.5	40.3	18.5	10.7	7.14	5.79	17.7	1912
1913	4.75	4.80	3.88	5.05	13.9	48.5	35.3	38.2	28.0	14.4	8.68	8.38	17.5	1913
1914	4.02	4.05	4.33	4.78	20.5	46.8	48.2	27.2	17.0	15.4	8.81	5.59	17.3	1914
1915	2.73	4.11	3.77	5.65	28.1	53.6	57.0	38.6	23.0	13.5	9.28	7.55	20.5	1915
1916	4.46	3.33	4.31	5.99	12.8	88.6	80.8	42.0	32.2	13.8	8.90	5.59	25.3	1916
1917	3.52	2.25	3.87	3.89	21.5	58.9	49.5	28.4	17.5	11.2	8.50	---	---	1917
1918	---	---	---	3.84	8.31	48.0	34.8	26.7	17.5	11.8	5.71	4.02	---	1918
1919	3.25	2.02	2.01	4.75	25.4	40.2	29.8	34.3	18.1	8.87	4.79	5.04	14.9	1919
1920	3.78	3.84	3.05	3.05	10.8	34.3	57.4	27.7	15.3	8.71	5.22	4.32	14.9	1920
1921	3.38	3.61	3.27	4.42	28.4	51.5	40.2	27.7	13.5	8.59	8.38	4.61	18.2	1921
1922	3.35	2.85	3.80	3.74	19.8	47.7	28.5	24.0	18.2	9.33	4.44	2.62	14.0	1922
1923	2.27	2.48	3.08	3.25	11.9	88.1	44.3	28.3	17.6	10.4	8.28	3.28	18.5	1923
1924	2.85	3.58	3.48	3.53	20.1	41.9	40.1	38.9	17.9	7.98	5.73	4.48	15.9	1924
1925	4.10	3.62	3.05	5.37	29.1	51.1	34.5	29.0	19.7	12.1	7.01	4.95	17.1	1925
1926	4.78	4.10	3.58	5.95	11.7	24.9	25.9	19.1	28.5	17.4	10.1	---	---	1926
1927	---	---	---	5.62	14.3	74.4	51.4	33.0	26.5	16.4	7.31	1.81	---	1927
1928	3.31	3.85	4.73	5.22	32.8	61.9	46.8	28.1	15.2	9.62	8.50	4.42	18.7	1928
1929	4.23	3.29	3.70	3.37	18.6	68.0	30.5	21.5	13.4	9.22	5.24	3.84	15.5	1929
1930	2.80	3.58	3.45	5.50	21.8	51.5	42.3	27.2	17.8	8.98	5.07	4.13	18.3	1930
1931	3.70	3.61	3.71	3.33	13.8	22.9	23.4	18.3	12.8	8.29	---	---	---	1931
1932	---	---	---	---	29.2	82.9	32.5	24.4	18.1	8.24	8.17	5.04	---	1932
1933	5.61	2.74	3.14	3.68	22.3	57.2	41.2	21.1	14.5	8.20	8.23	8.01	18.0	1933
1934	6.05	6.05	4.24	5.30	29.4	34.2	25.1	19.0	14.4	8.22	5.67	8.11	14.2	1934
1935	4.75	4.25	3.27	3.24	9.50	34.5	36.0	19.2	8.43	8.35	8.52	8.61	11.8	1935
1936	6.65	5.83	2.52	4.48	18.2	30.0	22.7	14.8	8.14	8.22	7.88	10.8	11.1	1936
1937	6.05	3.62	2.09	2.61	10.8	28.3	31.4	22.8	10.8	8.00	7.38	3.60	11.5	1937
1938	4.61	3.03	4.28	5.14	27.0	64.8	28.5	21.5	10.8	8.87	3.88	8.78	15.8	1938
1939	4.84	7.83	8.83	4.17	12.8	26.6	24.9	18.9	17.5	8.12	8.70	8.18	12.3	1939
1940	7.70	8.38	8.17	8.48	17.8	22.4	18.1	16.8	22.0	11.4	10.5	8.61	13.3	1940
1941	8.06	8.05	5.33	4.85	8.53	17.7	17.8	17.8	15.4	10.4	8.98	7.52	10.4	1941
1942	11.6	8.28	6.88	8.10	33.4	39.1	28.4	17.1	12.8	8.55	7.95	15.8	16.8	1942
1943	7.30	16.7	16.2	12.4	14.6	28.2	31.6	13.8	8.41	8.84	12.6	14.7	15.2	1943
1944	12.8	11.7	10.7	7.81	11.0	18.6	12.8	12.8	8.82	7.48	7.40	11.4	11.1	1944
1945	8.72	8.87	8.38	8.51	14.1	37.7	28.0	13.8	10.8	8.72	14.8	14.1	14.8	1945
1946	12.0	11.1	10.0	8.81	28.2	38.7	20.7	12.1	12.4	8.83	16.8	17.2	16.5	1946
1947	15.1	13.2	10.8	10.8	21.6	38.8	23.6	8.21	15.2	17.2	15.6	16.1	17.2	1947
1948	13.8	10.0	11.8	12.7	33.7	46.1	22.8	17.1	10.5	8.19	10.8	10.5	17.4	1948
1949	---	---	---	---	---	---	9.86	8.18	---	---	8.87	---	---	1949
1950	---	---	---	9.47	---	36.3	---	12.0	8.96	8.84	---	---	---	1950
1951	---	---	---	---	---	---	---	---	24.4	16.8	15.8	---	---	1951
1952	---	8.08	---	17.4	18.5	21.6	20.7	12.7	8.46	8.88	12.5	13.3	---	1952
1953	12.2	10.0	12.5	13.2	14.9	37.5	28.5	12.8	8.23	8.14	12.2	12.6	15.2	1953
1954	15.8	8.62	13.8	14.8	18.0	38.6	36.2	16.2	12.8	12.5	17.1	16.7	18.3	1954
1955	11.7	12.2	10.8	12.2	8.48	23.9	16.3	8.88	4.17	5.10	12.3	17.7	11.8	1955
1956	22.8	21.7	16.2	8.53	16.8	18.9	22.7	11.1	14.8	7.08	14.3	12.2	15.5	1956
1957	16.4	15.8	15.4	17.5	15.7	12.8	7.43	5.41	7.21	8.87	4.69	13.8	11.6	1957
1958	14.7	24.0	21.5	15.1	10.7	17.5	14.4	5.37	5.09	8.48	17.3	20.8	14.8	1958
1959	17.7	28.0	9.81	9.08	7.80	22.5	13.8	9.77	8.48	10.0	8.97	16.4	13.5	1959
1960	15.8	14.0	15.5	5.80	11.8	17.4	15.5	14.7	9.04	7.09	14.2	14.8	13.0	1960
1961	12.7	13.4	13.8	10.3	16.4	31.8	14.8	14.3	13.1	14.3	17.8	19.0	16.0	1961
1962	16.5	22.0	22.4	10.8	8.51	16.7	5.74	5.11	5.14	---	---	---	---	1962
MEAN	8.07	8.18	7.56	7.15	17.9	40.6	31.2	20.5	14.8	8.84	9.14	8.33	15.4	MEAN

LOCATION - LAT 51 02 50 N
LONG 115 01 40 W

DRAINAGE AREA, 933 km²
REGULATED SINCE 1932

KANANASKIS RIVER NEAR SEEBE - STATION NO. 05BF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	92.3 ON JUL 21	2.04 ON DEC 11	580 000	1912
1913	---	60.9 ON JUN 10	3.17 B ON MAR 31	553 000	1913
1914	---	87.1 ON JUN 19	2.12 B ON FEB 5	545 000	1914
1915	---	152 ON JUN 27	2.12 ON JAN 28	847 000	1915
1916	---	209 ON JUN 18	3.20 B ON FEB 11	798 000	1916
1917	---	85.8 ON JUN 9	1.47 B ON FEB 1	---	1917
1918	---	93.4 ON JUN 15	---	---	1918
1919	---	75.0 ON AUG 5	0.8348 ON MAR 2	471 000	1919
1920	74.2 AT 15:00 MST ON JUL 12	71.4 ON JUL 12	2.07 B ON APR 3	470 000	1920
1921	88.2 AT 09:00 MST ON JUN 8	88.0 ON JUN 8	2.61 B ON MAR 13	512 000	1921
1922	87.4 AT 10:00 MST ON JUN 5	85.7 ON JUN 5	0 B ON FEB 11 *	442 000	1922
1923	168 AT 22:00 MST ON JUN 13	144 ON JUN 1	1.98 B ON JAN 22	582 000	1923
1924	77.0 AT 12:00 MST ON JUL 5	76.9 ON JUL 3	2.18 B ON JAN 3	505 000	1924
1925	89.4 AT 05:00 MST ON MAY 23	88.0 ON JUN 22	2.27 B ON MAR 30	539 000	1925
1926	49.8 AT 19:00 MST ON SEP 1	48.7 ON SEP 1	3.26 B ON APR 8	---	1926
1927	105 AT 21:00 MST ON JUN 9	103 ON JUN 9	---	---	1927
1928	---	82.1E ON JUN 15	1.73 B ON JAN 1	503 000	1928
1929	161 AT 23:00 MST ON JUN 2	146 ON JUN 3	2.84 ON JAN 30	487 000	1929
1930	71.1 AT 03:00 MST ON JUN 11	69.7 ON JUN 11	2.72 B ON JAN 8	514 000	1930
1931	82.1 AT 18:00 MST ON JUN 17	45.9 ON JUN 17	2.88 B ON MAR 27	---	1931
1932	337 AT 18:30 MST ON JUN 2 *	263 ON JUN 3 *	---	---	1932
1933	118 AT 04:00 MST ON JUN 17	111 ON JUN 17	1.02 B ON FEB 13	505 000	1933
1934	87.2 AT 18:00 MST ON MAY 30	85.8 ON MAY 30	3.43 B ON MAR 10	447 000	1934
1935	80.7 AT 04:00 MST ON JUN 19	49.3 ON JUN 18	2.80 E ON APR 4	374 000	1935
1936	89.4 AT 05:00 MST ON JUN 2	83.4 ON JUN 2	2.18 B ON APR 1	352 000	1936
1937	44.2 AT 05:00 MST ON JUN 16	43.0 ON JUL 16	1.70 B ON MAR 30	383 000	1937
1938	85.2 AT 15:00 MST ON MAY 26	82.7 ON MAY 26	2.80 B ON MAR 7	503 000	1938
1939	42.5 AT 02:30 MST ON JUN 23	41.3 ON JUN 22	3.03 B ON JAN 14	388 000	1939
1940	42.5 AT 21:00 MST ON SEP 5	38.5 ON MAY 25	4.78 ON APR 8	420 000	1940
1941	25.1 AT 22:30 MST ON JUL 18	21.7 ON JUL 18	3.28 B ON JAN 6	328 000	1941
1942	87.7 AT 14:30 MST ON MAY 25	86.3 ON MAY 25	5.01 B ON FEB 23	524 000	1942
1943	52.7 AT 07:00 MST ON JUL 3	49.3 ON JUL 3	4.80 B ON JAN 28	481 000	1943
1944	---	26.8 ON JUN 13	3.48 B ON NOV 13	351 000	1944
1945	88.1 AT 03:00 MST ON JUN 22	82.9 ON JUL 2	5.07 ON APR 30	488 000	1945
1946	87.7 AT 04:00 MST ON MAY 29	86.5 ON MAY 29	5.34 ON NOV 3	520 000	1946
1947	81.3E AT 14:00 MST ON SEP 5	80.1 ON AUG 8	0.8238E ON AUG 10	543 000	1947
1948	180 AT 10:50 MST ON MAY 24	142 ON MAY 24	0.810 ON APR 18	551 000	1948
1949	---	---	---	---	1949
1950	109 ON JUN 18	88.9 ON JUN 18	---	---	1950
1951	136 AT 18:30 MST ON JUN 15	101 ON JUN 15	---	---	1951
1952	85.5 AT 15:00 MST ON MAY 26	33.7 ON JUL 3	0.785 ON MAY 11	---	1952
1953	---	85.2 ON JUN 13	0.808 ON JAN 17	478 000	1953
1954	---	101 ON JUN 15	0.283 ON JAN 31	577 000	1954
1955	66.0 AT 16:00 MST ON JUN 26	54.9 ON JUN 24	0 ON APR 30	386 000	1955
1956	---	32.6 ON JUL 14	0.283 ON APR 8	488 000	1956
1957	---	33.7 ON APR 24	0.566 ON MAY 28	387 000	1957
1958	---	35.4 ON APR 2	0.283 ON APR 14	480 000	1958
1959	48.4 AT 16:00 MST ON MAY 22	34.3 ON FEB 7	0.708 ON MAR 8	425 000	1959
1960	---	32.0 ON JUL 21	0.283 ON MAR 28	410 000	1960
1961	---	82.6 ON JUN 6	0.283 ON APR 18	505 000	1961
1962	---	33.7 ON FEB 18	---	---	1962
				485 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	0.575	0.589	0.872	0.306	0.062	---	1971
1972	0.027	0.009	0.011	2.86	20.5	1.64	5.16	0.653	0.112	0.514	0.506	0.087	3.94	1972
1973	0.057	0.012	0.015	6.86	12.1	7.41	1.27	5.11	1.42	0.667	0.200	0.100	4.38	1973
1974	0.053	0.039	0.035	12.4	13.4	3.78	2.08	1.03	0.858	0.638	0.178	0.035	4.21	1974
1975	0.004	0	0	3.89	8.85	3.80	1.82	0.834	1.88	0.290	0.147	0.081	2.29	1975
1976	0.028	0	0	4.42	2.01	7.70	5.73	5.68	1.61	2.56	0.808	0.138	3.83	1976
1977	0.068	0.127	0.112	3.82	8.49	17.7	2.88	0.488	0.204	0.281	0.156	0.058	3.97	1977
1978	0.005	0	0	1.84	10.3	2.33	0.414	4.49	8.83	3.63	0.848	0.180	4.00	1978
1979	0.058	0.017	0.037	1.75	18.5	14.8	5.42	0.850	0.387	0.238	---	---	5.18	1979
1980	---	---	0.003	0.781	1.29	0.884	0.873	0.307	0.437	0.450	---	---	0.815	1980
1981	---	---	0.108	3.13	10.0	1.18	0.558	0.157	0.008	0.078	---	---	1.81	1981
1982	---	---	0	1.68	7.40	0.410	0.050	0.886	0.183	0.112	---	---	1.37	1982
1983	---	---	0.007	3.70	3.77	2.83	4.20	0.858	0.782	0.380	---	---	2.08	1983
1984	---	---	0.018	0.884	4.50	3.88	7.52	0.448	1.87	0.817	---	---	2.48	1984
MEAN	0.040	0.028	0.027	3.84	8.98	5.21	2.98	1.60	1.36	0.805	0.394	0.088	3.09	MEAN

LOCATION - LAT 57 44 40 N
LONG 117 37 20 W
DRAINAGE AREA, 887 km^2
NATURAL FLOW

KEG RIVER AT HIGHWAY NO. 35 - STATION NO. 07HF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	48.4 AT 21:00 MST ON MAY 11	47.9 ON MAY 11	0.0038 ON MAR 1	83 400	1972
1973	42.5 AT 10:30 MST ON JUN 18	41.3 ON JUN 18	0.0018 ON MAR 1	92 300	1973
1974	56.9 AT 20:00 MST ON APR 27	54.1 ON APR 27	0.0258 ON MAR 11	89 100	1974
1975	27.0 AT 01:00 MST ON JUN 30	24.0 ON JUN 29	0 B ON MAR 1 *	48 400	1975
1976	34.5 AT 11:00 MST ON JUN 29	34.5 ON JUN 28	0 B ON MAR 1	81 100	1976
1977	103 AT 13:00 MST ON JUN 4 *	85.5 ON JUN 4 *	0 0858 ON MAR 24	84 100	1977
1978	36.0 AT 15:30 MST ON MAY 1	34.3 ON MAY 1	0 B ON MAR 1	84 700	1978
1979	41.2 AT 21:00 MST ON MAY 29	39.4 ON JUN 2	0.0208 ON MAR 1	110 000	1979
1980	7.55 AT 12:00 MST ON MAY 26	6.85 ON MAY 26	0 B ON MAR 1	13 000	1980
1981	40.0 AT 20:00 MST ON MAY 3	38.5 ON MAY 3	0 B ON MAR 1	40 400	1981
1982	23.5 AT 05:30 MST ON MAY 5	21.1 ON MAY 5	0 B ON MAR 1	26 900	1982
1983	16.5 A AT 18:30 MST ON JUL 16	15.2 A ON JUL 17	0 0058 ON MAR 1	43 500	1983
1984	30.4 AT 11:30 MST ON JUL 2	29.9 ON JUL 2	0 B ON MAR 1	52 800	1984
				85 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.098	0.089	0	0	0	0	0	0	---	---	0.021	1982
1983	---	---	0.022	0	0	0	0	0	0	0	---	---	0.003	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	0.040	0.023	0	0	0	0	0	0	---	---	0.008	MEAN

LOCATION - LAT 51 05 45 N, LONG 110 15 31 W
DRAINAGE AREA, 939 km^2
NATURAL FLOW

KENNEDY COULEE NEAR ACADIA VALLEY - STATION NO. 05CK008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0.728 ON MAR 29 *	00 ON MAR 1 *	440	1982
1983	---	0.1788 ON MAR 14	00 ON MAR 1	58.6	1983
1984	---	0 B ON MAR 1	00 ON MAR 1	0	1984
				167	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KETCHUM CREEK NEAR ORION - STATION NO. 05AF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.002	0	0.148	0.066	0	0	---	---	---	1915
1916	---	---	0.512	0.018	0.086	0.188	0.112	0	0.009	0.008	---	---	0.112	1916
1917	---	---	0	2.33	0.011	0	0	0	0	0	---	---	0.286	1917
1918	---	---	1.93	0.142	0.002	0	0	0	0	0	---	---	0.282	1918
1919	---	---	0	0.207	0	0	0	0	0	0	---	---	0.025	1919
1920	---	---	0.441	0.215	0.085	0	0	0	0	0	---	---	0.083	1920
1921	---	---	0.185	0.188	0.241	0.006	0	0	0	0	---	---	0.073	1921
1922	---	---	0.006	1.80	0.022	0	0	0	0	0	---	---	0.224	1922
1923	---	---	0.384	0.181	0.008	0.188	0.013	0	0	0	---	---	0.092	1923
1924	---	---	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	0.203	0.120	0	0	0	0	0	0	---	---	0.040	1925
1926	---	---	0	0.455	0	0	0	0	0	0	---	---	0.058	1926
MEAN	---	---	0.328	0.511	0.036	0.031	0.023	0.007	0.001	0.001	---	---	0.115	MEAN

LOCATION - LAT 49 20 00 N, LONG 110 50 00 W
DRAINAGE AREA, 182 km^2
NATURAL FLOW

KETCHUM CREEK NEAR ORION - STATION NO. 05AF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON MAY 1 *	---	1915
1916	---	3.99 ON MAR 11	0 ON MAR 5	2 360	1916
1917	---	10.4 ON APR 9	0 ON MAR 1	5 080	1917
1918	---	11.1 ON MAR 25 *	0 ON MAR 1	5 840	1918
1919	---	1.87 ON APR 19	0 ON MAR 1	535	1919
1920	---	2.52B ON MAR 22	0 ON MAR 1	1 860	1920
1921	---	1.93 ON MAY 8	0 ON MAR 10	1 540	1921
1922	---	8.44E ON APR 3	0 ON MAR 1	4 740	1922
1923	---	1.83 ON JUN 22	0B ON MAR 1	1 840	1923
1924	---	0 B ON MAR 1	0B ON MAR 1	0	1924
1925	---	2.04 ON MAR 29	0B ON MAR 1	855	1925
1936	---	3.72E ON APR 12	0 ON MAR 1	1 180	1936
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 430	MEAN

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05GA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.005	0.048	0.014	0.013	0.011	---	---	---	1982
1983	---	---	0.012	0.894	0.016	0.002	0.019	0.002	0.002	0.005	---	---	0.092	1983
1984	---	---	0.340	0.039	0.002	0.015	0.002	0.001	0.001	0.001	---	---	0.051	1984
MEAN	---	---	0.176	0.367	0.009	0.008	0.022	0.006	0.005	0.006	---	---	0.072	MEAN

LOCATION - LAT 52 33 47 N
LONG 110 08 52 W
DRAINAGE AREA, 1 010 km^2
NATURAL FLOW

KILLARNEY LAKE TRIBUTARY NEAR CHAUVIN - STATION NO. 05GA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0.248 ON JUL 4	---	---	1982
1983	5.07 AT 10:58 MST ON APR 5 *	3.77 ON APR 5 *	0 B ON MAR 1 *	1 880	1983
1984	3.80 AT 11:22 MST ON MAR 28	2.41 ON MAR 28	0.001 ON MAY 13	1 070	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 520	MEAN

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO. 05GA008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0	0	0	0	0	---	---	---	1982
1983	---	---	0	0	0	0	0.047	0	0	0	---	---	0.008	1983
1984	---	---	0.048	0.025	0	0	0	0	0.049	0.002	---	---	0.018	1984
MEAN	---	---	0.025	0.013	0	0	0.016	0	0.016	0.001	---	---	0.011	MEAN

LOCATION - LAT 51 58 24 N
LONG 111 28 47 W
DRAINAGE AREA, 222 km^2
NATURAL FLOW

KIRKPATRICK LAKE TRIBUTARY NEAR SPONDIN - STATION NO. 05GA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0 ON JUN 1	0 ON JUN 1 *	---	1982
1983	---	0.300E ON JUL 10	0B ON MAR 1	127	1983
1984	0.705 AT 10:42 MST ON MAR 28 *	0.560 ON SEP 23 *	0B ON MAR 1	331	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		229	MEAN

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	0.027	0.848	0.181	0	0	0.001	0.002	0	---	---	0.163	1966
1967	---	---	0	0.884	0.190	0	0	0.002	0	0	---	---	0.097	1967
1968	---	---	0.883	0.280	0.018	0.186	0	0	0	0	---	---	0.133	1968
1969	---	---	0	0.802	0.004	0	0	0	0.002	0	---	---	0.076	1969
1970	---	---	0.288	0.338	0	0	0	0	0	0	---	---	0.078	1970
1971	---	---	0	0.347	0.001	0.436	0.183	0	0	0	---	---	0.119	1971
1972	---	---	0.110	0.978	0.022	0	0	0	0	0	---	---	0.138	1972
1973	---	---	0.004	0.785	0.004	0.003	0	0.010	0.002	0.003	---	---	0.089	1973
1974	---	---	0	2.02	0.128	0	0	0	0	0	---	---	0.282	1974
1975	---	---	0	0.803	0.003	0.001	0	0	0	0	---	---	0.082	1975
1976	---	---	0.002	0.638	0	0.114	0.028	0.595	0.014	0	---	---	0.197	1976
1977	---	---	0.013	0.285	0.018	0.001	0.005	0	0	0	---	---	0.040	1977
1978	---	---	0.107	0.029	0.001	0	0	0	0	0	---	---	0.018	1978
1979	---	---	0.007	0.780	0.044	0	0.001	0	0	0	---	---	0.100	1979
1980	---	---	0.030	0.085	0	0	0	0	0.004	0	---	---	0.014	1980
1981	---	---	0.881	0.110	0	0	0	0	0	0	---	---	0.128	1981
1982	---	---	0	0.832	0.091	0	0.036	0.239	0.001	0	---	---	0.124	1982
1983	---	---	0.005	0.447	0.002	0.448	0.222	0.002	0	0	---	---	0.139	1983
1984	---	---	0.015	0.002	0.082	0.030	0.001	0	0.008	0.001	---	---	0.014	1984
MEAN	---	---	0.106	0.563	0.038	0.084	0.026	0.045	0.002	0	---	---	0.104	MEAN

LOCATION - LAT 55 13 29 N DRAINAGE AREA, 31.6 km²
LONG 118 27 37 W REGULATED

KLESKUN HILLS MAIN DRAIN NEAR GRANDE PRAIRIE - STATION NO. 07GE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	5.66 AT 17:30 MST ON APR 6	3.71 ON APR 5	0 ON MAR 1 *	3 020	1966
1967	5.71 AT 17:00 MST ON APR 26	3.21 ON APR 26	0 ON MAR 1	2 040	1967
1968	6.34 ON JUN 13	4.22 ON JUN 13	0 ON MAR 17	2 820	1968
1969	10.3 B AT 16:00 MST ON APR 12	4.33 B ON APR 12	0 ON MAR 1	1 580	1969
1970	3.62 B AT 19:30 MST ON MAR 27	1.83 B ON APR 1	0 ON MAR 1	1 845	1970
1971	7.76 AT 11:00 MST ON JUN 26	3.88 ON JUL 11	0 ON MAR 1	2 530	1971
1972	8.06 AT 17:30 MST ON APR 18	3.88 ON APR 18	0 ON MAR 1	2 880	1972
1973	11.2 A AT 16:00 MST ON APR 10	6.17 A ON APR 10	0 ON MAR 1	2 100	1973
1974	14.5 AT 17:00 MST ON APR 20	8.38 ON APR 20 *	0 ON MAR 1	5 570	1974
1975	14.7 B AT 16:30 MST ON APR 18 *	6.06 B ON APR 18	0 ON MAR 1	1 310	1975
1976	14.0 AT 12:30 MST ON AUG 17	6.31 ON AUG 17	0 ON MAR 1	4 170	1976
1977	4.90 AT 16:30 MST ON APR 4	2.83 ON APR 4	0 ON APR 26	854	1977
1978	0.814A AT 17:30 MST ON MAR 21	0.473A ON MAR 21	0 ON MAY 17	380	1978
1979	7.41 A AT 16:30 MST ON APR 28	3.85 ON APR 27	0 ON MAR 1	2 110	1979
1980	1.06 AT 17:30 MST ON APR 1	0.431 ON APR 3	0 ON MAR 1	288	1980
1981	4.37 B AT 17:00 MST ON MAR 29	2.30 B ON MAR 16	0 ON MAR 1	2 670	1981
1982	8.36 AT 17:30 MST ON APR 28	5.06 ON APR 27	0 ON MAR 1	2 820	1982
1983	8.66 AT 20:00 MST ON JUN 24	4.80 ON APR 7	0 ON MAR 1	2 940	1983
1984	0.826 AT 23:30 MST ON MAY 16	0.576 ON MAY 17	0 ON JUN 26	306	1984
				2 200	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	1.03	5.47	0.883	0.128	0.112	0.188	0.027	0.062	---	---	0.971	1921
1922	---	---	0.627	1.59	0.283	0.081	0.135	0.101	0.038	0.026	---	---	0.388	1922
1923	---	---	0.172	0.884	0.385	2.11	0.341	0.188	0.008	0.607	---	---	0.480	1923
1924	---	---	0.035	0.470	0.173	0.077	0.088	0.361	0.004	0.038	---	---	0.152	1924
1925	---	---	2.71	14.8	0.459	0.378	0.333	0.003	0.132	0.111	---	---	2.33	1925
1926	---	---	7.21	0.727	0.183	0.188	0.047	0.119	0.861	0.348	---	---	1.18	1926
1927	---	---	7.12	11.2	1.40	0.852	0.478	0.228	0.563	0.347	---	---	2.73	1927
1928	---	---	11.4	3.30	0.703	4.34	1.67	0.211	0.074	0.123	---	---	2.73	1928
1929	---	---	0.217	0.334	0.408	0.082	0.003	0	0	0	---	---	0.133	1929
1930	---	3.06	1.38	0.790	0.131	0.062	0.007	0.042	0.006	0.031	---	---	0.306	1930
1931	---	---	0.043	---	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	3.04	13.5	0.898	0.406	---	---	---	---	---	---	---	1936
1957	---	---	---	---	0.850	0.187	0.087	0.820	0.541	0.118	---	---	---	1957
1958	---	---	---	---	0.855	0.452	0.208	0.005	0.048	0.015	---	---	---	1958
1959	---	---	1.51	0.343	0.188	0.220	0.182	0.250	0.088	0.088	---	---	0.351	1959
1960	---	---	13.0	7.98	0.813	0.188	0.088	0.013	0	0	---	---	2.74	1960
1961	---	---	2.49	0.397	0.982	0.074	0.005	0.012	0	0	---	---	0.500	1961
1962	---	---	2.31	0.485	0.067	0.088	0.361	0.085	0.189	0.009	---	---	0.443	1962
1963	---	---	4.14	0.988	0.288	0.288	0.158	0.038	0.028	0	---	---	0.747	1963
1964	---	---	0.038	0.935	0.488	0.134	0.134	0	0.018	0.002	---	---	0.217	1964
1965	---	---	3.84	13.7	0.862	0.708	1.98	0.333	0.387	0.208	---	---	2.88	1965
1966	---	---	14.8	7.47	0.921	1.01	2.33	0.436	0.273	0.087	---	---	3.44	1966
1967	---	---	0.470	14.2	7.98	0.780	0.103	0	0	0.008	---	---	2.91	1967
1968	---	---	0.488	0.212	0.087	0.207	0.262	0.173	0.388	0.128	---	---	0.238	1968
1969	---	---	0.147	25.3	0.851	0.188	0.303	0.085	0.118	0.088	---	---	3.39	1969
1970	---	---	1.58	3.38	0.470	3.51	---	0.088	0.013	0.071	---	---	---	1970
1971	---	---	0.315	38.0	1.87	0.485	0.170	0.108	0.180	0.088	---	---	5.05	1971
1972	---	---	1.24	1.88	0.352	2.08	0.878	0.132	0.120	0.130	---	---	0.778	1972
1973	---	---	4.48	10.2	---	---	---	---	---	---	---	---	---	1973
1974	---	---	0.008	28.2	7.31	1.07	0.384	0.244	0.138	0.107	---	---	4.81	1974
1975	---	---	0	3.98	---	0.337	0.073	0.038	0.022	0.031	---	---	---	1975
1976	---	---	2.30	1.33	0.087	0.080	0.020	0.178	0.008	0	---	---	0.472	1976
1977	---	---	0.104	0.814	0.208	0.052	0.021	0.022	0.028	0.017	---	---	0.188	1977
1978	---	---	2.35	3.04	0.310	0.501	0.058	0.072	0.881	0.077	---	---	0.881	1978
1979	---	---	1.88	0.825	0.280	0.040	0.014	0.014	0.003	0	---	---	0.382	1979
1980	---	---	0.050	3.38	0.188	0.233	0.088	0.174	0.002	0.017	---	---	0.505	1980
1981	---	---	1.05	0.287	1.51	0.083	0.034	0.031	0.008	0.028	---	---	0.381	1981
1982	---	---	1.33	3.80	0.350	0.203	0.140	0.023	0.029	0.032	---	---	0.731	1982
1983	---	---	0.300	0.817	0.201	0.011	0.128	0.043	0	0	---	---	0.188	1983
1984	---	---	0.221	0.088	0.015	0.034	0.028	0.010	0.112	0.013	---	---	0.064	1984
MEAN	---	3.06	2.51	5.07	0.904	0.570	0.297	0.128	0.121	0.082	---	---	1.31	MEAN

LOCATION - LAT 51 28 40 N DRAINAGE AREA, 2 430 km²
LONG 112 51 30 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

KNEEHILLS CREEK NEAR DRUMHELLER - STATION NO. 05CE002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	17.1 ON APR 15	0.005 ON SEP 6	20 800	1921
1922	---	4.618 ON APR 2	0 B ON MAR 1 *	7 510	1922
1923	24.8 AT 23:00 MST ON JUN 1	8.10 ON JUN 1	0.0038 ON MAR 15	10 200	1923
1924	6.91 AT 17:00 MST ON AUG 14	1.70 ON AUG 14	0 B ON MAR 1	3 220	1924
1925	72.5 AT 12:00 MST ON APR 7	65.4 ON APR 7	0 B ON MAR 1	49 300	1925
1926	---	25.9 ON MAR 19	0 ON JUL 21	24 800	1926
1927	---	27.0 ON APR 7	0 B ON MAR 1	57 900	1927
1928	---	56.6 B ON MAR 21	0 B ON MAR 1	57 900	1928
1929	---	1.12 ON MAY 14	0 B ON MAR 1	2 800	17 9
1930	---	7.42 ON MAR 31	0 ON JUN 15	5 480	1930
1931	---	---	0 B ON MAR 1	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	39.1 B ON APR 14	0 B ON APR 4	---	1936
1957	---	15.8 ON AUG 11	---	---	1957
1958	---	---	0 ON AUG 10	---	1958
1959	7.62 AT 22:00 MST ON AUG 17	2.948 ON MAR 18	0.011 ON JUL 19	7 430	1959
1960	---	58.5 B ON MAR 26	0 B ON MAR 1	58 000	1960
1961	60.7 AT 00:20 MST ON MAY 30	19.4 ON MAY 30	0 ON MAR 1	10 600	1961
1962	12.8 AT 21:30 MST ON JUL 27	11.5 B ON MAR 19	0 B ON MAR 1	9 380	1962
1963	---	16.6 ON MAR 24	0 ON AUG 21	15 600	1963
1964	---	5.078 ON APR 4	0 B ON MAR 1	4 580	1964
1965	---	60.5 A ON APR 12	0 B ON MAR 1	58 700	1965
1966	120 AT 00:05 MST ON MAR 28	87.5 ON MAR 28	0 B ON MAR 1	72 800	1966
1967	76.2 AT 12:00 MST ON APR 14	38.2 ON APR 15	0 B ON MAR 1	61 700	1967
1968	---	4.26 ON SEP 22	0 ON JUL 14	4 930	1968
1969	---	123 ON APR 5 *	0 B ON MAR 1	69 800	1969
1970	---	14.4 ON JUN 15	0 B ON MAR 1	---	1970
1971	133 A AT 00:00 MST ON APR 8 *	110 ON APR 10	0 B ON MAR 1	107 000	1971
1972	33.4 AT 08:30 MST ON JUN 12	18.0 ON JUN 12	0 B ON MAR 1	18 400	1972
1973	26.1 AT 23:40 MST ON APR 4	26.2 ON APR 5	0 B ON MAR 1	---	1973
1974	124 B AT 21:00 MST ON APR 14	85.6 ON APR 15	0 B ON MAR 1	87 800	1974
1975	---	14.0 B ON APR 21	0 B ON MAR 1	---	1975
1976	31.8 AT 00:30 MST ON AUG 18	13.2 B ON MAR 23	0 ON SEP 20	9 880	1976
1977	6.37 AT 18:00 MST ON APR 6	4.42 ON APR 5	0 ON JUN 26	3 310	1977
1978	31.3 B AT 03:00 MST ON MAR 27	13.0 A ON MAR 28	0 B ON MAR 1	18 000	1978
1979	9.538 AT 18:00 MST ON MAR 7	6.860 ON MAR 7	0 B ON MAR 1	8 080	1979
1980	14.0 AT 00:30 MST ON APR 9	9.83 ON APR 9	0 B ON MAR 1	10 700	1980
1981	8.77 AT 13:15 MST ON MAY 5	7.31 ON MAY 10	0 ON AUG 18	6 080	1981
1982	14.4 AT 04:22 MST ON APR 15	12.7 ON APR 15	0 B ON MAR 1	15 500	1982
1983	---	3.736 ON APR 3	0 ON JUN 7	4 200	1983
1984	2.12 AT 22:55 MST ON SEP 6	1.12 ON SEP 21	0 B ON MAR 1	1 380	1984
				27 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KNEEHILLS CREEK NEAR LINDEN - STATION NO. 05CE010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	1.93	1.82	0.147	---	---	---	---	---	---	---	1967
1968	---	---	0.304	0.050	0.018	0.038	0.061	0.051	0.006	0.018	---	---	---	1968
1969	---	---	0	5.64	0.212	0.043	0.026	0.003	0.037	0.013	---	---	---	1969
MEAN	---	---	0.101	2.54	0.883	0.076	0.054	0.042	0.021	0.016	---	---	---	MEAN

LOCATION - LAT 51 35 20 N, LONG 113 30 50 W
DRAINAGE AREA, 842 km^2
NATURAL FLOW

KNEEHILLS CREEK NEAR LINDEN - STATION NO. 05CE010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	7.46 ON APR 28	0.0 ON MAR 1 *	---	1967
1968	---	1.815 ON MAR 8	0.0 ON FEB 26	---	1968
1969	40.88 AT 17:30 MST ON APR 6 *	37.9 B ON APR 6 *	0.0 ON MAR 1	---	1969
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

KRAMCHUK DRAINAGE NEAR MCLENNAN - STATION NO. 07HA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0R	0.181R	0.013R	0 R	0 R	0.002R	0R	0R	---	---	0.024R	1982
1983	---	---	---	0.022	0.002	---	---	---	0	0	---	---	---	1983
1984	---	---	---	0.005	0.128	0.089	0.015	0	0	0	---	---	---	1984
MEAN	---	---	0R	0.069R	0.048R	0.046R	0.008R	0.001R	0R	0R	---	---	0.024	MEAN

LOCATION - LAT 55 57 00 N, LONG 117 02 00 W
DRAINAGE AREA, 13.0 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

KRAWCHUK DRAINAGE NEAR MCLENNAN - STATION NO. 07HA902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	3.09 R AT 14:04 MST ON APR 25 *	1.81 R ON APR 25 *	0RB ON MAR 1 *	808R	1982
1983	0.259 AT 05:42 MST ON APR 13	0.155 ON APR 13	0 ON JUN 11	---	1983
1984	1.90 AT 17:50 MST ON MAY 21	1.44 ON MAY 21	0B ON MAR 18	---	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		808R	MEAN

KYISKAP CREEK NEAR GRANUM - STATION NO. 05AB038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	0	0	0	0	0	---	---	---	1977
1978	---	---	1.84	0.280	0.227	0.175	0.124	0.025	0.114	0.005	---	---	0.348	1978
1979	---	---	0.171	0.248	0.295	0.083	0.018	0	0	0	---	---	0.102	1979
1980	---	---	0.114	0.089	0.078	0.032	0	0	0	0	---	---	0.037	1980
1981	---	---	0.001	0	0.478	0.205	0.048	0.009	0.001	0.001	---	---	0.093	1981
1982	---	---	0.034	0.084	0.002	0.094	0.001	0	0	0	---	---	0.026	1982
1983	---	---	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	0.309	0.084	0.155	0.074	0.024	0.004	0.014	0.001	---	---	0.087	MEAN

LOCATION - LAT 49 48 55 N, LONG 113 35 25 W. DRAINAGE AREA, 191 km^2. NATURAL FLOW

KYISKAP CREEK NEAR GRANUM - STATION NO. 05AB038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON JUN 1 *	---	1977
1978	11.2 A AT 12:00 MST ON MAR 18 *	10.0 A ON MAR 18 *	0E ON MAR 1	7 380	1978
1979	0.821 AT 14:00 MST ON MAY 8	0.821 ON MAY 8	0B ON MAR 1	2 150	1979
1980	1.10 AT 03:05 MST ON MAY 27	0.777 ON MAY 27	0B ON MAR 8	775	1980
1981	10.4 AT 07:50 MST ON MAY 18	7.62 ON MAY 18	0 ON MAR 11	1 870	1981
1982	1.75 AT 15:30 MST ON JUN 5	1.18 ON JUN 7	0B ON MAR 1	859	1982
1983	0.021 AT 18:30 MST ON JUL 19	0.003 ON JUL 19	0B ON MAR 1	0.52	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 630	MEAN

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC028

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	4.18 R	8.28 R	7.08R	---	---	1.14 R	---	---	---	1977
1978	---	---	---	---	---	0.838	5.08	2.85	0.620	0.835	---	---	---	1978
1979	---	---	---	---	---	7.37	3.41	2.81	0.784	1.11	---	---	---	1979
1980	---	---	---	0.003	3.68	3.32	3.84	2.38	1.39	1.28	---	---	2.88	1980
1981	---	---	---	---	0.870	2.17	7.26	2.78	2.68	1.84	---	---	---	1981
1982	---	---	---	---	0.887	5.28	3.43	4.78	2.78	0.087	---	---	---	1982
1983	---	---	---	---	1.61	10.5	7.07	4.80	2.83	0.448	---	---	---	1983
1984	---	---	---	---	5.45	6.84	7.78	2.78	1.33	0.447	---	---	---	1984
MEAN	---	---	---	0.003	2.78 R	5.65 R	7.58R	3.38	1.77	0.813R	---	---	2.88	MEAN

LOCATION - LAT 49 53 00 N, LONG 113 11 00 W. REGULATED. DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT. R - REVISED SINCE JAN 1980

L.N.I.D. - MONARCH BRANCH CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	8.33 ON JUL 17	0 ON JUN 1 *	---	1978
1979	---	12.8 ON JUL 17	0 ON JUN 1	---	1979
1980	---	12.2 ON JUL 10	0 ON APR 1	55 000	1980
1981	---	12.8 ON JUL 10	0 ON OCT 30	---	1981
1982	---	12.2 ON JUL 23	0 ON MAY 1	---	1982
1983	---	14.0 ON JUN 18 *	0 ON MAY 1	---	1983
1984	14.4 AT 09:10 MST ON MAY 25 *	13.8 ON JUL 7	0 ON MAY 1	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		55 000	MEAN

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	0.482	0.738	3.41	8.14	2.80	---	---	---	---	1.73	1.24	---	1982
1983	0.841	0.810	0.818	5.47	5.83	2.94	17.1	4.84	5.28	5.71	3.21	4.64	5.67	1983
1984	3.85	3.96	8.70	10.8	8.21	5.29	2.87	2.30	2.85	3.62	2.77	3.22	4.78	1984
MEAN	2.35	1.74	2.75	6.49	7.39	4.01	10.0	3.57	4.42	5.37	4.57	3.03	5.22	MEAN

LOCATION - LAT 54 58 10 N DRAINAGE AREA, 4 880 km²
LONG 112 30 10 W NATURAL FLOW

LA BICHE RIVER AT HIGHWAY NO. 63 - STATION NO. 07CA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	---	---	1982
1983	88.0 AT 08:30 MST ON JUL 22 *	83.0 ON JUL 22 *	0.7878 ON MAR 8 *	178 000	1983
1984	---	13.38 ON MAR 28	1.61 ON AUG 30	150 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		185 000	MEAN

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	0.015	4.18	1.40	0.878	4.26	1.86	0.282	0.438	---	---	1.84	1976
1977	---	---	0.025	1.47	0.858	2.74	0.527	0.085	0.057	0.585	---	---	0.783	1977
1978	---	---	0.017	1.24	4.58	1.02	0.074	0.883	5.33	2.00	---	---	1.30	1978
1979	---	---	0.009	1.12	9.14	8.33	2.08	0.074	0	0	---	---	2.59	1979
1980	---	---	0.002	0.622	0.131	0.057	0.013	0.434	1.25	0.883	---	---	0.417	1980
1981	---	---	0.018	2.23	3.27	0.931	0.023	0.013	0.001	0.008	---	---	0.808	1981
1982	---	---	0	1.18	2.95	0.208	0.008	0.013	0.021	0.080	---	---	0.858	1982
1983	---	---	0.008	3.29	1.78	0.772	3.09	3.29	0.540	0.582	---	---	1.87	1983
1984	---	---	0.008	2.15	5.80	4.53	3.14	0.187	0.104	0.158	---	---	2.02	1984
MEAN	---	---	0.011	1.84	3.35	2.17	1.47	0.730	0.841	0.518	---	---	1.38	MEAN

LOCATION - LAT 57 04 40 N DRAINAGE AREA, 481 km²
LONG 115 05 30 W NATURAL FLOW

LAFOND CREEK NEAR RED EARTH CREEK - STATION NO. 07JC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	10.1 A ON APR 18	0.0148 ON MAR 1	34 800	1976
1977	9.63 AT 13:30 MST ON JUN 7	9.60 ON JUN 7	0.0148 ON MAR 27	18 800	1977
1978	10.8 AT 16:30 MST ON MAY 3	10.5 ON MAY 3	0.0118 ON MAR 25	40 100	1978
1979	18.9 AT 13:00 MST ON MAY 31	18.4 ON MAY 31	0 ON SEP 5 *	54 800	1979
1980	2.12 AT 12:30 MST ON SEP 25	2.03 ON SEP 25	0 B ON MAR 1	8 830	1980
1981	12.5 AT 04:00 MST ON APR 28	12.1 ON APR 29	0 ON SEP 5	17 100	1981
1982	8.30 AT 10:15 MST ON APR 27	8.44B ON APR 28	0 B ON MAR 1	11 800	1982
1983	30.2 ON JUL 28 *	28.5 E ON JUL 28 *	0.0028 ON MAR 1	38 400	1983
1984	18.2 AT 11:30 MST ON MAY 22	17.8 ON MAY 22	0 B ON MAR 1	42 900	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		29 100	MEAN

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.050	---	---	---	1977
1978	---	---	0.038	0.982	0.150	0.024	0.037	0.002	0	0	---	---	0.153	1978
1979	---	---	0	0.483	4.81	0.188	0.313	0.012	0	0	---	---	0.729	1979
1980	---	---	0	0.083	0.001	0	0	0	0	0	---	---	0.010	1980
1981	---	---	0.024	1.52	0.038	0	0	0	0	0	---	---	0.194	1981
1982	---	---	0	0.313	0.052	0.003	0	0.013	0	0.001	---	---	0.047	1982
1983	---	---	0	0.078	0.002	0.088	0.104	0.008	0.001	0	---	---	0.034	1983
1984	---	---	0.059	0.085	0.883	0.081	0.037	0	0.001	0.001	---	---	0.118	1984
MEAN	---	---	0.017	0.505	0.817	0.054	0.070	0.005	0	0.007	---	---	0.183	MEAN

LOCATION - LAT 55 47 28 N DRAINAGE AREA, 180 km²
LONG 117 20 10 W NATURAL FLOW

LALBY CREEK NEAR GIROUXVILLE - STATION NO. 07GJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 22 *	---	1977
1978	4.15 B AT 05:00 MST ON APR 5	3.34 B ON APR 4	0B ON MAR 1	3 240	1978
1979	27.4 A AT 23:00 MST ON MAY 1 *	23.7 A ON MAY 1 *	0B ON MAR 1	15 500	1979
1980	0.404B AT 20:30 MST ON APR 5	0.307B ON APR 5	0B ON MAR 1	220	1980
1981	7.43 AT 09:00 MST ON APR 20	5.08 ON APR 20	0B ON MAR 1	4 100	1981
1982	8.37 AT 03:00 MST ON APR 27	4.24 ON APR 27	0B ON MAR 1	899	1982
1983	2.10 AT 14:30 MST ON JUL 26	1.48 ON JUL 26	0B ON MAR 1	721	1983
1984	11.8 AT 19:30 MST ON MAY 21	7.58 ON MAY 21	0B ON MAR 1	2 480	1984
				3 890	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	0.007	0.038	0.023	0.037	0.007	---	---	---	1966
1967	---	---	---	---	0.081	0.003	0.048	0.052	0.081	0.034	---	---	0.047	1967
1968	---	---	---	---	0.012	0.041	0.057	0.018	0.035	0.001	---	---	0.022	1968
1969	---	---	---	---	0.018	0.041	0.018	0.047	0.028	0.006	---	---	0.028	1969
1970	---	---	---	---	0.050	0.038	0.046	0.080	0.058	0.017	---	---	0.048	1970
1971	---	---	---	0	0.004	0.048	0.111	0.128	0.098	0.048	---	---	0.072	1971
1972	---	---	---	---	0.040	0.148	0.121	0.118	0.084	0.004	---	---	0.081	1972
1973	---	---	---	---	0.081	0.137	0.125	0.107	0.058	0.058	---	---	0.088	1973
1974	---	---	---	---	0	0.082	0.108	0.081	0.138	0.048	---	---	0.074	1974
1975	---	---	---	---	0.005	0.002	0.123	0.212	0.093	0.028	---	---	0.077	1975
1976	---	---	---	---	0.086	0.186	0.228	0.228	0.214	0.085	---	---	0.168	1976
1977	---	---	---	---	0.186	0.228	0.238	0.135	0.128	0.018	---	---	0.130	1977
1978	---	---	---	---	0.007	0.028	0.248	0.123	0.038	0.018	---	---	0.078	1978
1979	---	---	---	---	0.012	0.155	0.145	0.134	0.102	0.020	---	---	0.084	1979
1980	---	---	---	---	0.114	0.049	0.231	0.245	0.197	0.088	---	---	0.154	1980
1981	---	---	---	---	0.037	---	---	---	---	---	---	---	---	1981
1982	---	---	---	---	0.043	0.122	0.206	0.218	0.226	0.125	---	---	0.157	1982
1983	---	---	---	---	0.088	0.235	0.278	0.248	0.196	0.087	---	---	0.182	1983
1984	---	---	---	---	0.108	0.358	0.252	0.312	0.242	0.081	---	---	0.220	1984
MEAN	---	---	---	0	0.052	0.108	0.148	0.139	0.113	0.040	---	---	0.104	MEAN

LOCATION - LAT 49 50 38 N
LONG 112 25 48 W REGULATED

LATERAL 10 SPILLWAY NEAR CHIN - STATION NO. 05AG007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	0.178 ON JUL 25	0 ON JUN 1 *	---	1966
1967	---	0.280 ON MAY 7	0 ON MAY 1	743	1967
1968	---	0.187 ON JUL 5	0 ON MAY 1	514	1968
1969	---	0.088 ON JUN 23	0 ON MAY 1	412	1969
1970	---	0.258 ON MAY 23	0 ON MAY 1	708	1970
1971	---	0.221 ON AUG 23	0 ON MAY 1	1 150	1971
1972	---	0.255 ON JUL 17	0 ON MAY 1	1 290	1972
1973	---	0.278 ON JUL 2	0 ON MAY 1	1 520	1973
1974	---	0.268 ON SEP 22	0 ON MAY 3	1 170	1974
1975	---	0.538 ON AUG 17	0 ON MAY 18	1 230	1975
1976	---	0.541 ON AUG 6	0 ON MAY 1	2 670	1976
1977	---	0.388 ON JUL 11	0 ON OCT 28	2 380	1977
1978	---	0.391 ON JUL 18	0 ON MAY 20	1 230	1978
1979	---	0.589 ON AUG 24	0 ON MAY 1	1 500 -	1979
1980	---	0.830 ON JUL 20 *	0 ON MAY 1	2 480	1980
1981	---	---	---	---	1981
1982	---	0.408 ON AUG 25	0E ON MAY 1	2 480	1982
1983	---	0.481 ON JUN 19	0 ON MAY 1	3 060	1983
1984	---	0.801 ON JUN 23	0 ON MAY 1	3 490	1984
				1 880	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEAVITT - AETNA CANAL NEAR HEADGATE - STATION NO. 05AD022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.032	0.206	1.78	1.26	1.22	1.00	0.331	0.144	---	0.748	1961
1962	---	---	---	0.005	0.337	1.34	1.25	1.54	0.889	0.658	0.184	---	0.740	1962
1963	---	---	---	0.318	1.50	1.50	0.866	1.96	1.57	0.734	0.300	---	1.10	1963
1964	---	---	---	0.039	0.022	0.825	1.29	1.79	1.14	0.822	0.290	---	0.783	1964
1965	---	---	---	0.013	0.328	0.760	0.661	1.56	0.613	0.178	0.170	---	0.530	1965
1966	---	---	---	0	0.373	0.873	1.28	1.53	1.10	0.873	0.050	---	0.708	1966
1967	---	---	---	0	0.291	0.273	0.866	2.14	1.50	0.649	0.007	---	0.735	1967
1968	---	---	---	0	0.348	0.520	0.688	1.13	0.450	0.153	0.001	---	0.440	1968
1969	---	---	---	0.082	0.454	1.27	0.927	1.37	1.25	0.562	0	---	0.738	1969
1970	---	---	---	0	0.350	1.10	1.06	1.53	1.20	0.578	0.138	---	0.751	1970
1971	---	---	---	0	0.514	0.652	1.32	1.46	0.873	0.507	0.057	---	0.690	1971
1972	---	---	---	0	0.188	0.715	0.734	0.847	1.08	0.421	0.034	---	0.475	1972
1973	---	---	---	0	0.885	1.60	1.82	1.71	1.18	0.918	0	---	0.892	1973
1974	---	---	0	0.008	0.007	0.542	1.17	1.16	0.571	0.381	0.042	---	0.490	1974
MEAN	---	---	0	0.034	0.388	0.989	1.11	1.48	1.02	0.534	0.102	---	0.709	MEAN

LOCATION - LAT 49 05 45 N
LONG 113 36 50 W REGULATED

LEAVITT - AETNA CANAL NEAR HEADGATE - STATION NO. 05AD022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	---	2.83 ON JUN 8 *	0 ON APR 1 *	15 800	1961
1962	---	2.81 ON OCT 7	0B ON APR 15	15 800	1962
1963	---	3.47 ON AUG 13	0 ON APR 1	23 100	1963
1964	---	2.70 ON AUG 15	0 ON APR 1	15 700	1964
1965	---	1.93 ON AUG 24	0 ON NOV 15	11 200	1965
1966	---	2.08 ON AUG 17	0 ON APR 1	14 800	1966
1967	---	2.38 ON AUG 25	0 ON APR 1	15 500	1967
1968	---	1.54 ON AUG 15	0 ON APR 1	9 280	1968
1969	---	2.08 ON JUN 9	0 ON APR 1	15 800	1969
1970	---	1.95 ON JUN 13	0 ON APR 1	15 800	1970
1971	---	1.73 ON JUL 24	0B ON APR 1	14 600	1971
1972	---	1.72 ON SEP 8	0 ON APR 1	10 000	1972
1973	---	2.17 ON JUL 21	0E ON APR 1	20 800	1973
1974	---	1.58 ON AUG 10	0E ON APR 1	10 300	1974
				14 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO. 05AE040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.470	0.239	0.185	---	---	---	---	1978
1979	---	---	---	---	---	0.828	0.249	0.073	0.030	0.048	---	---	---	1979
1980	---	---	---	---	---	1.42	0.285	0.111	0.135	0.171	---	---	---	1980
1981	---	---	---	---	---	1.10	0.342	0.086	0.034	0.068	---	---	---	1981
1982	---	---	---	---	---	0.840	0.303	0.047	0.038	0.045	---	---	---	1982
1983	---	---	---	---	0.425	0.383	0.181	0.048	0.038	---	---	---	---	1983
1984	---	---	---	---	---	0.238	0.088	0.022	0.020	0.030	---	---	---	1984
MEAN	---	---	---	---	0.425	0.802	0.274	0.091	0.068	0.072	---	---	---	MEAN

LOCATION - LAT 49 00 50 N
LONG 113 32 20 W
DRAINAGE AREA, 37.8 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK (EAST BRANCH) NEAR BEAZER - STATION NO. 05AE040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.68 A ON MAY 23	---	---	1979
1980	---	---	---	---	1980
1981	11.8 AT 15:10 MST ON MAY 15 *	4.26 ON MAY 15 *	---	---	1981
1982	---	1.20 ON JUN 7	---	---	1982
1983	---	0.825 ON MAY 15	---	---	1983
1984	0.906 AT 17:50 MST ON JUN 21	0.530 ON JUN 21	---	---	1984
				---	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT BEAZER - STATION NO. 05AE037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	3.61	3.93	2.13	1.10	1.08	0.780	---	---	2.10	1978
1979	---	---	---	---	8.23	3.13	1.05	0.421	0.241	0.245	---	---	1.89	1979
1980	---	---	---	---	5.78	5.36	---	---	---	0.697	---	---	---	1980
1981	---	---	---	---	10.1	5.01	1.72	0.833	0.331	0.282	---	---	3.01	1981
1982	---	---	---	---	---	3.17	1.20	0.363	0.306	0.325	---	---	---	1982
1983	---	---	---	---	2.11	1.36	0.588	0.218	0.149	0.180	---	---	0.783	1983
1984	---	---	---	---	1.08	0.880	0.361	0.187	0.139	0.158	---	---	0.477	1984
MEAN	---	---	---	---	4.82	3.28	1.17	0.484	0.376	0.380	---	---	1.65	MEAN

LOCATION - LAT 49 08 45 N
LONG 113 29 00 W

DRAINAGE AREA, 176 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK AT BEAZER - STATION NO. 05AE037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	10.8 ON JUN 1	0.530 ON SEP 3	33 400	1978
1979	---	8.99 ON MAY 16	0.190 ON SEP 30	30 000	1979
1980	---	---	---	---	1980
1981	60.0 AT 16:48 MST ON MAY 15 *	28.6 ON MAY 22 *	0.263 ON OCT 31	47 900	1981
1982	---	4.64 ON JUN 7	---	---	1982
1983	3.46 AT 03:46 MST ON MAY 22	3.20 ON MAY 22	0.088 ON SEP 8 *	12 100	1983
1984	3.61 AT 03:20 MST ON JUN 22	2.69 ON JUN 22	0.105 ON AUG 28	7 580	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		28 200	MEAN

LEE CREEK AT CARDSTON - STATION NO. 05AE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	0.557	0.285	---	---	---	1909
1910	---	---	---	0.887	1.72	1.30	0.342	0.195	1.80	1.38	---	---	---	1910
1911	---	---	---	---	10.1	6.87	2.38	2.57	5.91	---	---	---	---	1911
1912	---	---	---	---	---	---	---	0.813	0.725	0.741	0.783	0.488	---	1912
1913	0.267	0.388	1.66	6.29	6.34	5.10	2.14	1.06	0.480	0.814	---	---	---	1913
1914	---	---	---	2.45	3.74	2.42	---	---	---	---	---	---	---	1914
1920	---	---	---	---	---	---	---	0.537	0.258	0.273	0.284	0.139	---	1920
1921	0.138	0.300	0.800	3.16	6.03	3.86	0.994	0.259	0.313	0.303	0.223	0.266	1.38	1921
1922	0.218	0.060	0.088	1.93	6.59	4.67	1.63	0.375	0.234	0.261	0.258	0.224	1.41	1922
1923	0.161	0.328	0.380	1.31	3.65	6.59	1.87	0.840	0.318	0.517	0.311	0.375	1.41	1923
1924	0.282	0.781	0.327	1.30	3.66	7.50	2.03	1.57	0.438	0.483	0.388	0.278	1.57	1924
1925	0.486	0.487	1.67	3.61	5.83	3.78	0.903	0.388	0.595	1.01	0.418	0.570	1.84	1925
1926	0.288	0.323	0.531	1.28	0.871	1.14	0.418	0.203	0.935	1.88	0.618	0.187	0.708	1926
1927	0.200	0.301	1.32	5.52	19.9	17.6	4.08	2.57	4.73	3.98	2.01	1.30	5.33	1927
1928	2.78	0.670	4.30	3.38	4.98	6.30	6.80	1.83	0.824	1.25	1.07	0.582	2.92	1928
1929	0.377	0.329	3.80	2.61	6.72	4.85	1.35	0.243	0.308	0.390	0.431	0.248	1.78	1929
1930	0.188	1.30	2.18	4.52	6.18	3.34	0.848	0.189	0.307	0.331	0.353	0.223	1.86	1930
1931	0.241	0.422	0.431	0.888	1.16	0.748	0.228	0.141	0.287	0.288	0.291	0.151	0.420	1931
1932	0.083	0.216	0.758	2.53	3.87	2.54	0.598	0.200	0.116	0.197	0.416	0.142	0.978	1932
1933	0.133	0.130	0.598	2.01	5.80	3.15	0.616	0.199	0.218	0.436	0.182	0.374	1.13	1933
1934	0.778	1.01	1.23	3.82	2.74	5.91	1.21	0.178	0.280	0.878	1.48	0.625	1.85	1934
1935	1.74	1.18	0.750	2.87	4.48	2.51	0.598	0.084	0.135	0.192	0.185	0.145	1.22	1935
1936	0.153	0.030	1.40	1.82	1.40	1.08	0.055	0.014	0.086	0.158	0.177	0.104	0.536	1936
1937	0.028	0.085	0.458	1.48	2.02	7.44	1.05	0.282	0.188	0.483	0.256	0.209	1.15	1937
1938	0.188	0.225	0.517	2.48	6.25	3.89	1.83	0.280	0.187	0.193	0.156	0.118	1.35	1938
1939	0.138	0.078	0.987	1.18	0.783	1.48	0.358	0.088	0.202	0.380	0.248	0.188	0.604	1939
1940	0.078	0.148	1.81	1.10	3.75	0.807	0.448	0.114	0.485	0.438	0.325	0.288	0.802	1940
1941	0.187	0.115	0.328	1.48	1.37	1.83	1.03	0.280	0.458	0.472	0.309	0.257	0.679	1941
1942	0.230	0.184	0.281	2.07	4.34	5.80	2.42	1.06	0.789	0.628	0.575	0.572	1.83	1942
1943	0.408	0.423	1.26	4.53	8.08	7.33	2.10	0.437	0.287	0.284	0.259	0.148	1.86	1943
1944	0.141	0.102	0.257	0.918	0.828	1.48	0.727	0.237	0.177	0.205	0.164	0.138	0.447	1944
1945	0.182	0.188	0.328	0.598	3.58	7.85	1.52	0.251	0.417	0.402	0.440	0.300	1.34	1945
1946	0.221	0.302	0.630	1.81	2.33	1.85	0.658	0.151	0.270	0.740	0.658	0.658	0.842	1946
1947	0.467	1.88	2.86	5.76	8.86	3.90	0.945	0.398	0.781	0.888	1.05	0.804	2.22	1947
1948	0.500	0.388	0.811	5.73	14.3	20.7	3.84	1.17	0.421	0.334	0.180	0.118	4.03	1948
1949	0.183	0.132	0.637	2.28	4.03	2.40	0.598	0.108	0.283	0.342	0.401	0.211	0.988	1949
1950	0.148	0.383	0.888	3.18	7.47	7.83	2.83	0.744	0.313	0.458	0.378	0.459	2.11	1950
1951	0.300	0.602	1.73	4.85	14.4	15.4	5.75	4.01	5.04	4.85	3.28	1.30	5.48	1951
1952	0.878	1.40	2.45	5.13	3.68	2.12	1.21	0.870	0.629	0.512	0.485	0.418	1.74	1952
1953	0.408	0.414	1.77	4.50	11.8	23.2	2.44	0.863	0.400	0.741	0.381	0.334	3.89	1953
1954	0.207	0.777	0.737	3.28	9.86	5.22	1.77	0.844	0.892	0.882	0.598	0.407	2.08	1954
1955	0.370	0.182	1.72	3.51	12.3	7.94	2.88	0.802	0.308	0.428	0.270	0.220	2.57	1955
1956	0.188	0.148	1.06	2.17	5.72	2.88	2.24	0.734	0.381	0.287	0.284	0.210	1.37	1956
1957	0.218	0.881	0.772	1.74	7.31	3.51	0.888	0.286	0.324	0.772	0.853	0.387	1.48	1957
1958	0.378	0.438	0.887	3.17	4.48	8.33	2.89	0.772	0.404	0.408	0.438	0.407	1.72	1958
1959	0.488	0.427	2.80	3.83	8.87	4.42	1.21	0.418	0.483	0.808	0.558	0.881	1.80	1959
1960	0.344	0.288	2.36	2.58	8.07	2.84	0.787	0.451	0.330	0.348	0.302	0.252	1.42	1960
1961	0.134	0.380	0.828	0.821	3.83	2.40	0.691	0.288	0.588	0.858	0.483	0.282	0.882	1961
1962	0.818	0.881	1.17	3.83	3.58	3.05	0.858	0.333	0.340	0.332	0.203	0.141	1.28	1962
1963	0.114	0.888	0.284	0.802	1.82	3.62	1.83	0.380	0.278	0.257	0.228	0.220	0.859	1963
1964	0.132	0.183	0.232	1.22	10.2	18.8	2.04	0.554	0.738	0.820	0.388	0.232	3.02	1964
1965	0.408	0.814	0.727	5.37	8.18	6.77	3.04	1.01	1.88	1.15	0.854	0.624	2.53	1965
1966	0.403	0.377	2.48	3.32	4.08	9.29	2.20	0.887	0.508	0.788	0.585	0.405	2.11	1966
1967	0.381	0.837	1.41	1.88	14.3	13.8	2.48	0.838	0.387	0.318	0.307	0.238	3.06	1967
1968	0.482	0.884	0.881	1.25	3.80	3.50	1.45	0.882	2.88	2.88	1.48	0.727	1.70	1968
1969	0.884	0.328	1.89	5.82	3.28	7.80	3.90	0.823	0.387	0.544	0.293	0.104	2.12	1969
1970	0.124	0.174	0.387	1.33	5.84	8.82	1.33	0.422	0.488	0.488	0.305	0.148	1.50	1970
1971	0.188	0.618	0.418	2.43	8.02	4.38	1.83	0.383	0.482	0.518	0.488	0.188	1.48	1971
1972	0.181	0.188	4.02	4.04	8.84	6.84	2.88	1.38	0.827	0.828	0.822	0.418	2.87	1972
1973	0.842	0.388	0.842	1.84	3.68	2.04	0.598	0.271	0.308	0.282	0.278	0.173	0.908	1973
1974	0.304	0.188	0.844	2.48	8.37	4.88	1.18	0.880	0.447	0.388	0.407	0.208	1.41	1974
1975	0.220	0.884	0.188	2.38	11.7	18.1	3.38	1.18	0.801	0.780	0.488	1.03	3.34	1975
1976	0.831	0.488	1.28	2.80	5.18	3.01	1.27	0.858	0.387	0.284	0.348	0.288	1.40	1976
1977	0.238	0.388	0.318	1.01	0.705	0.367	0.188	0.345	0.286	0.258	0.138	0.141	0.384	1977
1978	0.128	0.218	1.13	1.82	3.87	3.88	2.08	1.18	1.25	0.758	0.428	0.388	1.42	1978
1979	0.312	0.188	2.83	3.78	7.82	3.27	1.08	0.412	0.213	0.142	0.141	0.132	1.88	1979
1980	0.081	0.371	0.405	2.28	5.78	5.81	1.18	0.803	0.887	0.720	0.672	0.852	1.88	1980
1981	1.01	0.670	1.38	2.34	14.8	10.5	1.88	0.858	0.283	0.411	0.242	0.124	2.81	1981
1982	0.008	0.008	0.808	2.31	2.18	3.43	1.33	0.318	0.286	0.298	0.180	0.184	0.818	1982
1983	0.258	0.220	0.238	0.888	2.00	1.57	0.840	0.183	0.203	0.273	0.188	0.085	0.588	1983
1984	0.348	0.114	0.218	0.733	1.12	1.08	0.408	0.188	0.237	0.344	0.212	0.083	0.424	1984
MEAN	0.387	0.411	1.14	2.88	5.72	5.75	1.70	0.837	0.725	0.858	0.491	0.348	1.71	MEAN

LOCATION - LAT 49 12 00 N DRAINAGE AREA, 307 km²
LONG 113 17 45 W REGULATED

LEE CREEK AT CARDSTON - STATION NO. 05AE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	3.91 ON MAY 18	---	---	1910
1911	---	39.6 ON MAY 15	---	---	1911
1912	---	---	---	---	1912
1913	---	18.5 ON APR 8	0.1788 ON JAN 23	---	1913
1914	---	6.288 ON MAR 29	---	---	1914
1920	---	---	---	---	1920
1921	---	8.95 ON APR 2	0.0858 ON NOV 20	43 700	1921
1922	---	10.0 ON APR 28	0.0218 ON FEB 22	44 400	1922
1923	---	22.0 E ON JUN 22	0.1228 ON JAN 25	44 400	1923
1924	---	26.5 E ON JUN 7	0.1678 ON JAN 3	49 800	1924
1925	---	8.58 ON MAY 3	0.227 ON AUG 3	51 800	1925
1926	---	3.54 ON JUN 21	0.110 ON JUL 31	22 300	1926
1927	---	81.8 ON MAY 31	0.1108 ON JAN 17	186 000	1927
1928	---	29.7 ON JUL 1	0.4388 ON DEC 31	82 200	1928
1929	---	15.5 ON JUN 3	0.110 ON AUG 28	56 200	1929
1930	---	10.7 ON MAY 4	0.088 ON AUG 28	52 300	1930
1931	---	1.81 ON MAY 30	0.040 ON JUL 27	13 200	1931
1932	---	6.62 ON MAY 21	0.0118 ON FEB 13	30 800	1932
1933	---	7.08 ON MAY 14	0.0628 ON FEB 7	35 700	1933
1934	---	28.6 ON JUN 7	0.0858 ON DEC 25	52 100	1934
1935	---	14.2 B ON JAN 25	0.020 ON AUG 28	38 300	1935
1936	---	17.8 B ON MAR 2	0 B ON FEB 16 *	17 000	1936
1937	---	57.2 ON JUN 13	0.023 ON SEP 20	38 400	1937
1938	---	11.0 ON MAY 2	0 B ON DEC 31	42 500	1938
1939	---	3.56 ON MAR 21	0 B ON FEB 13	15 900	1939
1940	---	8.868 ON MAR 16	0.0148 ON JAN 23	25 300	1940
1941	---	4.83 ON JUN 2	0.062 ON AUG 23	21 400	1941
1942	---	44.2 ON JUN 5	0.0858 ON FEB 10	57 600	1942
1943	---	9.88 ON JUN 8	0.0798 ON DEC 18	61 800	1943
1944	---	6.09 ON JUN 27	0.023 ON AUG 9	14 100	1944
1945	---	22.2 ON JUN 8	0.078 ON SEP 4	42 300	1945
1946	---	3.68 ON MAY 28	0.023 ON AUG 23	28 800	1946
1947	---	14.6 ON MAY 3	0.1708 ON MAR 5	69 800	1947
1948	---	130 ON JUN 17	0.0588 ON DEC 23	127 000	1948
1949	---	13.6 ON MAY 22	0.048 ON AUG 21	30 600	1949
1950	---	13.2 ON MAY 13	0.0858 ON JAN 4	65 500	1950
1951	221 AT 17:00 MST ON JUN 24	110 ON JUN 24	0.1368 ON JAN 21	172 000	1951
1952	---	12.4 B ON MAR 27	0.2558 ON DEC 18	86 100	1952
1953	170 A AT 24:00 MST ON JUN 3	88.8 A ON JUN 4	0.2278 ON JAN 7	123 000	1953
1954	---	20.3 ON MAY 19	0.0578 ON DEC 28	85 800	1954
1955	---	48.4 ON MAY 18	0.0248 ON MAR 4	81 000	1955
1956	---	11.8 A ON JUL 4	0.0578 ON OCT 31	43 300	1956
1957	18.1 AT 06:00 MST ON MAY 14	12.5 ON MAY 14	0.1138 ON JAN 14	45 800	1957
1958	15.5 AT 07:00 MST ON JUN 10	11.7 ON JUN 10	0.1138 ON FEB 7	54 000	1958
1959	17.0 AT 01:00 MST ON MAY 19	13.5 ON MAY 19	0.1988 ON JAN 21	58 900	1959
1960	10.8 AT 05:00 MST ON MAY 13	8.15 ON MAY 13	0.0858 ON JAN 19	45 000	1960
1961	10.1 AT 04:00 MST ON MAY 31	7.25 ON MAY 31	0.0578 ON JAN 4	28 100	1961
1962	10.3 AT 17:00 MST ON JUN 14	8.89 ON JUN 14	0.0798 ON DEC 24	39 400	1962
1963	12.3 AT 13:00 MST ON JUN 10	8.33 ON JUN 10	0.0578 ON JAN 24	37 100	1963
1964	323 AT 17:00 MST ON JUN 6 *	151 ON JUN 6 *	0.0578 ON MAR 24	85 500	1964
1965	36.0 AT 13:00 MST ON JUN 17	22.5 ON JUN 17	0.1788 ON DEC 28	78 700	1965
1966	68.5 AT 18:00 MST ON JUN 4	45.9 ON JUN 4	0.1838 ON JAN 3	88 500	1966
1967	47.3 AT 07:30 MST ON JUN 9	34.6 ON JUN 9	0.1308 ON DEC 4	88 400	1967
1968	13.3 AT 03:20 MST ON MAY 23	10.0 ON SEP 25	0.1088 ON JAN 11	53 700	1968
1969	53.2 AT 09:25 MST ON JUN 25	38.2 ON JUN 25	0.0598 ON DEC 25	68 600	1969
1970	54.1 AT 18:20 MST ON JUN 13	27.4 ON JUN 13	0.0488 ON DEC 24	47 400	1970
1971	13.6 AT 13:00 MST ON MAY 6	11.5 ON MAY 6	0.0798 ON JAN 1	46 000	1971
1972	24.1 B AT 17:10 MST ON MAR 10	17.7 ON MAY 28	0.1388 ON JAN 4	84 800	1972
1973	7.08 AT 08:00 MST ON MAY 18	6.26 ON MAY 18	0.1278 ON DEC 26	28 800	1973
1974	16.3 AT 22:10 MST ON APR 30	12.1 ON MAY 1	0.0798 ON DEC 31	44 500	1974
1975	226 AT 03:00 MST ON JUN 20	146 ON JUN 20	0.0258 ON FEB 7	105 000	1975
1976	12.7 AT 00:00 MST ON MAR 18	8.16 ON MAY 6	0.224 ON OCT 14	44 300	1976
1977	2.248 AT 20:30 MST ON APR 8	1.99 ON APR 9	0.0518 ON NOV 21	11 500	1977
1978	22.3 AT 01:30 MST ON JUN 1	13.6 ON JUN 1	0.0288 ON FEB 18	44 800	1978
1979	11.6 AT 02:25 MST ON MAY 17	10.1 ON MAY 18	0.051 ON OCT 1	52 800	1979
1980	58.3 AT 15:10 MST ON MAY 28	40.8 ON MAY 28	0.0188 ON JAN 12	53 000	1980
1981	144 AT 18:30 MST ON MAY 22	82.4 ON MAY 22	0.0308 ON DEC 30	81 700	1981
1982	---	10.0 B ON APR 13	0.0018 ON JAN 8	28 000	1982
1983	---	3.56 ON MAY 25	0.0138 ON DEC 24	17 500	1983
1984	---	3.62 ON JUN 22	0.0408 ON DEC 21	13 400	1984
				84 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LEE CREEK AT LAYTON'S RANCH - STATION NO. 05AE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	4.32	1.99	1.01	0.563	0.871	1.01	0.289	---	1913
1914	0.437	0.283	0.892	2.33	3.69	2.85	0.988	0.568	0.474	1.83	1.59	0.488	1.32	1914
1915	0.481	0.387	0.736	1.77	4.85	10.2	4.38	2.60	2.02	2.58	1.59	1.02	2.72	1915
1916	0.600	1.72	2.67	3.69	7.08	13.4	5.05	1.37	0.833	0.884	1.01	0.687	3.25	1916
1917	0.458	0.484	0.480	1.65	8.64	9.73	2.15	0.631	0.412	0.438	0.458	0.345	2.14	1917
1918	1.11	0.383	0.777	3.17	3.23	1.85	0.630	0.322	0.384	0.385	0.207	0.188	0.880	1918
1919	0.302	0.287	0.387	1.18	1.73	0.888	0.183	0.121	0.083	0.248	0.307	0.184	0.491	1918
1920	0.309	0.316	0.447	2.43	8.46	5.26	1.88	---	---	---	---	---	---	1920
MEAN	0.515	0.648	0.870	2.17	5.37	6.05	2.14	0.932	0.884	1.05	0.898	0.448	1.82	MEAN

LOCATION - LAT 49 08 51 N
LONG 113 23 14 W
DRAINAGE AREA, 230 km^2
NATURAL FLOW

LEE CREEK AT LAYTON'S RANCH - STATION NO. 05AE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	5.04 ON OCT 15	0.1478 ON FEB 21	41 800	1914
1915	---	15.8 ON JUN 15	0.2638 ON MAR 5	88 000	1915
1916	---	26.9 ON JUN 29 *	0.2418 ON JAN 31	103 000	1916
1917	---	19.0 ON MAY 27	0.1138 ON DEC 3	67 800	1917
1918	---	3.94 ON MAY 17	0.1058 ON NOV 24	30 900	1918
1919	---	2.12 ON APR 28	0.057 ON AUG 24 *	15 500	1919
1920	---	17.2 ON MAY 17	---	---	1920
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		57 500	MEAN

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE904

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	5.51	3.26	1.20	0.458	0.218	0.233	0.202	0.088	1.81	1981
1982	---	---	---	---	1.54	2.51	0.842	0.226	0.224	0.240	---	---	0.942	1982
1983	---	---	---	---	1.84	1.17	0.547	0.280	0.188	0.145	---	---	0.854	1983
1984	---	---	---	---	0.851	0.748	---	---	---	---	---	---	---	1984
MEAN	---	---	---	---	2.38	1.92	0.898	0.315	0.203	0.206	0.202	0.088	1.14	MEAN

LOCATION - LAT 49 01 30 N, LONG 113 02 30 W
DRAINAGE AREA, 84.5 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LEE CREEK BELOW CONFLUENCE OF EAST FORK - STATION NO. 05AE904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	12.6 ON MAY 15 *	0.188 ON SEP 30	28 900	1981
1982	---	3.15 ON JUN 30	0.164 ON SEP 8	15 000	1982
1983	2.74 AT 08:30 MST ON MAY 28 *	2.64 ON MAY 28	0.112 ON OCT 27 *	10 400	1983
1984	---	---	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18 100	MEAN

LEE CREEK NEAR BEAZER - STATION NO. 05AE023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1941	---	---	---	---	---	0.891	0.618	0.238	0.288	0.263	0.185	0.180	---	1941
1942	0.188	0.136	0.188	1.14	3.30	5.75	1.98	0.804	0.711	0.528	0.455	0.342	1.30	1942
1943	0.288	0.276	0.403	3.17	4.85	8.08	2.04	0.520	0.317	0.308	0.283	0.131	1.55	1943
1944	0.110	0.088	0.127	0.488	---	---	0.893	0.348	0.240	0.225	0.185	0.113	---	1944
1945	0.142	0.142	0.208	0.387	2.76	5.93	1.35	0.330	0.320	---	---	---	---	1945
MEAN	0.170	0.158	0.227	1.28	3.84	4.70	1.33	0.488	0.371	0.331	0.288	0.192	1.43	MEAN

LOCATION - LAT 49 03 50 N, LONG 113 31 00 W
DRAINAGE AREA, 108 km^2
NATURAL FLOW

LEE CREEK NEAR BEAZER - STATION NO. 05AE023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1941	---	---	---	---	1941
1942	---	10.3 ON JUN 6 *	0.0858 ON FEB 6	41 000	1942
1943	---	8.23 ON JUN 13	0.0598 ON DEC 22 *	48 000	1943
1944	---	---	0.0828 ON MAR 3	---	1944
1945	---	11.2 ON JUN 7	---	---	1945
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		45 000	MEAN

LESSER SLAVE RIVER ABOVE OTAUWAU RIVER - STATION NO. 07BK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	48.8	44.3	41.8	---	---	---	1922
MEAN	---	---	---	---	---	---	---	48.8	44.3	41.8	---	---	---	MEAN

LOCATION - LAT 55 15 40 N, LONG 114 24 30 W
DRAINAGE AREA, 14 500 km^2
NATURAL FLOW

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	88.6	82.4	73.4	67.2	---	---	---	---	---	1983
1984	---	31.8	31.0	41.7	82.8	85.3	81.4	82.8	88.1	80.8	69.0	43.8	---	1984
1985	41.8	41.8	45.0	66.1	105	107	108	98.7	101	92.1	77.8	48.2	78.1	1985
1986	44.1	61.2	69.8	73.4	79.8	78.4	68.2	63.2	58.1	53.8	38.8	33.1	86.7	1986
1987	30.1	27.8	27.7	37.5	67.4	67.3	62.2	44.3	38.1	32.0	30.8	13.8	36.8	1987
1988	16.7	15.8	19.7	28.5	31.5	38.6	36.2	33.7	32.7	28.8	17.3	14.9	26.1	1988
1989	14.4	13.0	14.7	27.7	31.8	28.1	26.4	23.8	26.8	26.1	18.8	18.1	22.4	1989
1970	15.0	15.3	17.4	28.7	38.1	41.8	54.4	44.0	41.4	37.4	30.6	20.8	32.1	1970
1971	17.8	18.0	18.8	36.5	49.3	67.8	90.3	84.2	73.8	66.3	46.3	33.8	49.6	1971
1972	30.7	30.4	37.1	52.3	68.8	73.7	78.5	68.8	60.5	58.3	42.2	33.7	52.7	1972
1973	31.8	31.2	35.8	45.5	60.6	77.2	77.3	71.6	68.2	64.4	52.5	37.4	54.8	1973
1974	32.8	34.8	35.0	57.6	97.7	82.3	88.8	91.8	87.4	82.8	68.1	44.6	68.8	1974
1975	44.8	44.8	47.2	55.7	87.1	88.7	82 2	76.5	78.0	69.3	60.4	37.3	61.0	1975
1976	38.6	39.3	42.6	61.1	88.5	72.3	80.0	81.8	103	84.2	78.8	52.8	69.5	1976
1977	43.2	61.2	67.0	82.1	101	117	121	112	106	88.3	77.5	48.7	84.8	1977
1978	46.8	44.8	58.7	74.1	87.3	88 4	82.7	72.4	75.2	73.7	58.2	42.0	67.1	1978
1979	33.3	31.5	42.8	54.1	78.9	101	132	118	108	87.6	67.1	67.1	76.7	1979
1980	42.2	44.2	57.0	65.0	85.8	87.8	65.3	62.8	58.5	54.4	48.0	29.1	55.0	1980
1981	27.8	29.8	40.8	49.3	68.5	67.8	63.7	46.0	36.8	31.4	28.8	16.8	38.8	1981
1982	14.1	14.6	18.3	24.2	35.7	38.2	38.3	47.7	41.8	35.8	22.7	18.9	26.7	1982
1983	17.6	20.3	25.5	28.8	29.6	38.4	78.8	87.4	80.6	68.4	52.7	32.8	48.8	1983
1984	36.2	47.0	44.6	44.8	47.5	73.1	87.6	88.3	84.9	48.1	34.3	28.8	48.7	1984
MEAN	31.0	32.3	36.8	48.3	63.6	68.8	74.1	70.3	67.5	61.3	48.1	33.8	53.0	MEAN

LOCATION - LAT 55 17 38 N DRAINAGE AREA, 14 400 km²
LONG 114 38 28 W NATURAL FLOW

LESSER SLAVE RIVER AT HIGHWAY NO. 2A - STATION NO. 07BK005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	---	---	1983
1984	95.1 AT 01:00 MST ON SEP 6	94.0 ON SEP 6	---	---	1984
1985	125 AT 21:00 MST ON JUN 28	123 ON JUN 28	38.8 B ON JAN 1	2 480 000	1985
1986	101 AT 03:00 MST ON OCT 2	88.5 ON JUN 2	30.3 B ON NOV 30	1 850 000	1986
1987	88.3 AT 19:00 MST ON MAY 18	85.7 ON MAY 19	4.818 ON NOV 29 *	1 150 000	1987
1988	84.0 AT 20:00 MST ON JUN 13	56.9 ON JUN 14	7.838 ON NOV 18	824 000	1988
1989	45.3 AT 13:00 MST ON APR 30	43.8 ON APR 30	12.6 B ON FEB 11	706 000	1989
1970	---	72.8 ON JUL 1	12.2 B ON JAN 8	1 010 000	1970
1971	93.7 AT 18:00 MST ON JUL 7	93.7 ON JUL 8	17.3 B ON JAN 18	1 560 000	1971
1972	90.8 AT 23:00 MST ON JUN 18	90.0 ON JUN 19	28.8 B ON DEC 26	1 670 000	1972
1973	92.3 AT 18:30 MST ON JUN 18	92.0 ON JUN 18	26.7 B ON JAN 3	1 720 000	1973
1974	114 AT 02:00 MST ON JUL 15	114 ON JUL 15	30.3 B ON FEB 14	2 170 000	1974
1975	98.5 AT 20:00 MST ON JUL 19	97.7 ON JUL 19	33.6 B ON DEC 14	1 920 000	1975
1976	109 AT 03:00 MST ON AUG 28	109 ON AUG 28	31.1 B ON MAR 2	2 200 000	1976
1977	128 AT 00:00 MST ON JUL 20	128 ON JUL 14	38.6 B ON JAN 28	2 670 000	1977
1978	88.0 AT 17:00 MST ON MAY 1	88.0 ON MAY 1	36.0 B ON DEC 30	2 120 000	1978
1979	148 AT 14:00 MST ON JUL 17 *	148 ON JUL 17 *	30.8 B ON FEB 18	2 480 000	1979
1980	80.0 AT 18:00 MST ON AUG 5	77.4 ON AUG 6	17.6 B ON DEC 19	1 740 000	1980
1981	83.0 AT 15:30 MST ON JUL 8	82.4 ON JUN 22	13.5 B ON DEC 30	1 250 000	1981
1982	84.9 AT 23:43 MST ON AUG 4	83.0 ON AUG 5	13.2 B ON JAN 2	808 000	1982
1983	120 AT 15:00 MST ON JUL 29	119 ON JUL 29	12.8 B ON JAN 11	1 480 000	1983
1984	93.4 AT 18:00 MST ON JUN 6	82.8 ON JUN 6	23.8 B ON DEC 12	1 840 000	1984
				1 870 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LESSER SLAVE RIVER AT SAULTEAUX LANDING - STATION NO. 07BK003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	66.5	54.8	47.4	---	---	---	1922
MEAN	---	---	---	---	---	---	---	66.5	54.8	47.4	---	---	---	MEAN

LOCATION - LAT 55 18 00 N DRAINAGE AREA, 15 100 km²
LONG 114 18 50 W NATURAL FLOW

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO. 07BK001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	62.3	51.6	58.5	50.1	43.0	28.7	18.9	---	1915
1916	17.2	20.5	22.6	30.0	38.2	44.6	49.2	46.2	36.5	30.6	26.6	20.3	32.0	1916
1917	17.7	17.1	16.9	22.3	33.3	47.6	49.1	44.8	36.7	36.7	31.4	16.6	31.0	1917
1918	19.3	16.6	16.3	16.6	25.5	28.1	30.4	33.3	31.0	28.6	23.6	17.9	24.5	1918
1919	16.6	17.0	17.4	19.9	24.6	36.7	54.1	55.3	45.1	40.7	30.9	29.0	32.5	1919
1920	27.6	26.2	27.3	30.2	42.9	75.7	106	89.1	81.9	69.6	66.0	44.0	60.9	1920
1921	42.5	52.1	56.9	56.5	63.1	66.3	73.0	73.0	64.3	50.4	37.6	41.6	56.6	1921
1922	29.9	28.6	32.6	36.4	54.5	60.5	51.4	51.7	42.9	37.6	29.4	21.9	38.6	1922
1923	19.7	19.1	21.5	25.5	33.0	39.3	43.6	41.6	34.3	27.1	23.5	16.6	28.6	1923
1924	12.9	16.5	20.5	20.7	20.7	21.6	22.5	24.7	27.9	26.0	23.6	21.7	21.6	1924
1925	18.5	18.4	21.7	26.7	38.6	47.1	44.1	36.1	35.3	30.0	27.6	24.6	31.2	1925
1926	24.2	24.6	23.6	24.4	33.5	53.4	56.7	43.6	40.9	42.0	37.9	36.2	36.1	1926
1927	20.6	17.6	23.6	29.2	36.4	56.0	86.6	101	69.6	61.0	52.1	37.1	52.6	1927
1928	43.7	51.7	57.6	60.4	67.7	71.5	70.4	61.6	52.3	46.7	33.4	27.3	53.7	1928
1929	24.7	21.4	21.6	26.6	46.6	59.7	50.1	46.4	46.2	44.3	36.0	22.6	37.1	1929
1930	23.6	22.4	22.5	34.7	49.3	66.3	106	92.3	80.5	66.6	56.1	46.6	56.1	1930
1931	34.5	26.1	30.7	42.3	61.1	49.6	56.1	49.4	46.7	41.4	---	---	---	1931
1935	---	---	---	---	---	166	219	214	163	140	94.0	79.3	---	1935
1936	69.6	61.0	54.9	53.7	96.6	112	126	116	106	101	81.6	61.0	69.1	1936
1937	66.5	46.7	47.7	66.1	61.3	66.2	76.3	70.7	67.7	66.9	47.7	36.3	62.2	1937
1938	33.9	33.0	46.6	49.6	49.6	43.7	40.0	34.1	30.1	26.6	23.6	22.4	36.1	1938
1939	19.9	19.2	21.1	26.6	26.7	26.7	27.7	24.5	21.6	20.0	21.6	21.2	23.3	1939
1940	14.0	13.3	16.5	19.7	26.9	31.6	30.3	27.6	22.4	---	---	---	---	1940
1980	---	---	---	---	---	---	---	26.6	26.7	22.1	15.0	13.7	---	1980
1981	15.3	13.3	14.3	16.6	23.0	34.6	31.7	41.1	35.6	32.6	16.6	13.6	23.6	1981
1982	13.6	14.0	14.2	17.3	39.4	63.1	63.4	57.1	46.6	---	---	---	---	1982
MEAN	26.6	26.1	26.6	32.6	43.4	56.7	56.4	50.7	53.5	46.6	37.6	30.6	41.6	MEAN

LOCATION - LAT 55 16 20 N
LONG 114 45 30 W

DRAINAGE AREA, 13 600 km²
NATURAL FLOW

LESSER SLAVE RIVER AT SLAVE LAKE - STATION NO. 07BK001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	55.5 ON AUG 8	15.6 B ON JAN 4	1 010 000	1916
1917	---	62.0 ON JUL 18	8.788 ON JAN 11	878 000	1917
1918	---	30.4 ON AUG 24	15.3 B ON FEB 15	772 000	1918
1919	---	78.4 ON JUL 17	16.4 B ON FEB 16	1 030 000	1919
1920	---	110 ON JUN 25	24.1 B ON JAN 30	1 820 000	1920
1921	---	81.0 ON AUG 2	22.6 B ON NOV 24	1 780 000	1921
1922	---	67.4 ON MAY 26	20.1 B ON DEC 16	1 260 000	1922
1923	---	51.5 ON JUL 20	5.388 ON JAN 17 *	809 000	1923
1924	---	33.4 ON SEP 2	11.4 B ON JAN 26	669 000	1924
1925	---	51.0 ON JUL 1	18.2 B ON JAN 30	984 000	1925
1926	---	70.5 ON JUN 27	22.2 ON APR 10	1 140 000	1926
1927	---	110 ON JUL 26	16.5 B ON FEB 17	1 700 000	1927
1928	---	76.9 ON JUL 15	23.7 ON NOV 5	1 700 000	1928
1929	---	69.1 ON JUN 19	19.7 B ON MAR 7	1 170 000	1929
1930	---	112 ON JUL 15	19.0 B ON FEB 26	1 830 000	1930
1931	---	66.0 ON JUN 24	---	---	1931
1935	---	240 A ON JUL 15 *	---	---	1935
1936	---	130 ON JUL 26	49.6 B ON MAR 31	2 820 000	1936
1937	---	91.5 ON JUN 2	35.7 B ON DEC 31	1 980 000	1937
1938	---	51.3 ON APR 29	20.7 B ON DEC 31	1 140 000	1938
1939	---	30.9 ON MAY 22	16.0 B ON DEC 31	737 000	1939
1940	---	32.6 ON JUN 14	---	---	1940
1980	---	---	---	---	1980
1981	---	49.3 ON AUG 8	7.788 ON NOV 23	752 000	1981
1982	---	61.3 ON JUL 4	---	---	1982
				1 310 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - MONARCH BRANCH CANAL - STATION NO. 05AC011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	0	0.787	0.939	5.82	2.42	0.838	1.12	0	---	1.51	1932
1934	---	---	---	0.082	4.75	1.42	4.38	3.52	0.843	1.04	0	---	2.03	1934
1935	---	---	---	0	0.820	8.33	8.08	2.72	2.01	3.11	0	---	2.84	1935
1936	---	---	---	0	0.993	4.37	7.88	2.00	1.93	1.17	0	---	2.30	1936
1937	---	---	---	0.200	2.20	1.96	---	2.88	1.90	1.18	0	---	---	1937
1938	---	---	---	0	0.849	4.31	7.88	1.89	1.82	1.07	0	---	2.21	1938
1939	---	---	---	0.123	3.38	0.860	4.80	4.03	1.79	1.88	0	---	2.08	1939
1940	---	---	---	0	0.962	8.76	8.38	2.88	0.950	0.875	0	---	2.08	1940
1941	---	---	---	0	2.24	3.33	8.84	2.42	0.783	0.784	0	---	1.88	1941
1942	---	---	---	0.039	0.885	0.041	0.263	2.00	0.520	0.526	0	---	0.589	1942
1943	---	---	---	0	0.756	4.88	7.41	4.27	1.72	2.82	0	---	2.78	1943
1944	---	---	---	0.050	2.20	2.80	8.72	3.44	2.18	1.82	0	---	2.30	1944
1945	---	---	---	0	0.858	0.588	8.02	8.18	1.34	0.945	0	---	1.72	1945
1946	---	---	---	0	2.83	0.802	4.88	3.81	1.88	0.832	0	---	1.87	1946
1947	---	---	---	0	0.880	0.829	8.18	2.57	1.04	1.38	0	---	1.88	1947
1948	---	---	---	0	0.008	0.282	3.88	2.77	2.40	1.88	0	---	1.38	1948
1949	---	---	---	0.188	1.88	2.14	8.88	3.83	2.82	2.08	0	---	2.44	1949
1950	---	---	---	0	0.488	5.04	5.04	3.84	2.38	1.32	0	---	2.38	1950
1951	---	---	---	0	0	0.123	0.821	2.81	0.834	0.488	0	---	0.838	1951
1952	---	---	---	0	0.288	1.08	1.81	2.32	1.18	1.18	0	---	0.887	1952
1953	---	---	---	0	0.426	0.071	2.70	4.41	1.78	1.37	0	---	1.38	1953
1954	---	---	---	0	0.831	3.80	8.89	3.18	0.811	0.841	0	---	1.83	1954
1955	---	---	---	0	0.278	1.17	0.712	4.84	2.42	0.758	0	---	1.28	1955
1956	---	---	---	0	0.802	2.38	1.48	2.88	1.01	0.884	0	---	1.17	1956
1957	---	---	---	0	1.81	1.83	8.70	3.88	2.88	0.838	0	---	2.04	1957
1958	---	---	---	0	1.18	2.44	2.88	3.81	2.47	2.18	0	---	1.82	1958
1959	---	---	---	0	0.893	1.97	3.80	3.27	1.48	0.941	0	---	1.48	1959
1960	---	---	---	0	0.888	2.70	7.83	3.21	2.77	2.78	0	---	2.82	1960
1961	---	---	---	0	2.28	7.80	8.78	4.04	3.07	1.24	0	---	3.17	1961
1962	---	---	---	0	2.28	3.88	8.28	3.88	1.84	3.18	0	---	2.81	1962
1963	---	---	---	0	4.07	2.38	0.184	2.74	1.88	2.78	0	---	1.80	1963
1964	---	---	---	0	0.843	2.88	8.48	4.48	1.82	2.88	0.873	---	2.38	1964
1965	---	---	---	0	0.323	1.27	0.824	2.84	0.874	0.898	0	---	0.848	1965
1966	---	---	---	0	0.741	0.732	0.828	1.88	1.77	1.25	0	---	0.875	1966
1967	---	---	---	0	0	0.178	4.81	3.81	2.77	2.80	0	---	1.78	1967
1968	---	---	---	0	1.20	2.88	3.87	2.03	0.838	0.348	0	---	1.34	1968
1969	---	---	---	0	0.893	1.12	0.712	2.28	1.88	0.784	0	---	0.847	1969
1970	---	---	---	0.103	1.47	2.02	4.03	3.18	1.88	1.80	0	---	1.78	1970
1971	---	---	---	0	0.882	2.17	8.04	3.42	1.34	1.08	0	---	1.78	1971
1972	---	---	---	0	0.200	2.88	2.87	3.03	1.08	0.883	0	---	1.38	1972
1973	---	---	---	0.108	4.38	4.38	8.88	8.28	1.03	2.84	0	---	3.89	1973
1974	---	---	---	---	---	8.48	8.80	2.07	1.88	---	---	---	---	1974
MEAN	---	---	---	0.080	1.28	2.80	4.81	3.20	1.88	1.47	0.021	---	1.83	MEAN

LOCATION - LAT 49 53 00 N
LONG 113 12 00 W REGULATED

DATA CONTRIBUTED BY -
LETHBRIDGE NORTHERN IRRIGATION DISTRICT

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	8.81 ON JUL 23	0 ON APR 1 *	31 800	1932
1934	---	10.1 ON JUN 1	0 ON APR 1	42 800	1934
1935	---	11.3 ON JUN 26	0 ON APR 1	55 800	1935
1936	---	13.7 ON JUL 9 *	0 ON APR 1	48 500	1936
1937	---	---	---	---	1937
1938	---	11.2 ON JUN 22	0 ON APR 1	48 700	1938
1939	---	9.81 ON JUL 27	0 ON APR 1	43 400	1939
1940	---	10.8 ON JUN 21	0 ON APR 1	43 800	1940
1941	---	11.8 ON JUN 26	0 ON APR 1	41 200	1941
1942	---	4.78 ON AUG 21	0 ON APR 1	12 400	1942
1943	---	10.6 ON JUL 8	0 ON APR 1	57 900	1943
1944	---	9.06 ON JUL 20	0 ON APR 1	48 800	1944
1945	---	13.0 ON JUL 28	0 ON APR 1	38 200	1945
1946	---	9.32 ON JUL 27	0 ON APR 1	38 500	1946
1947	---	9.81 ON JUL 16	0 ON APR 1	33 300	1947
1948	---	8.94 ON JUL 23	0 ON APR 1	29 100	1948
1949	---	9.71 ON JUL 9	0 ON APR 1	61 500	1949
1950	---	8.92 ON JUN 21	0 ON APR 1	50 500	1950
1951	---	6.40 ON AUG 9	0 ON APR 1	11 400	1951
1952	---	7.08 ON AUG 8	0 ON APR 1	20 800	1952
1953	---	7.58 ON JUL 23	0 ON APR 1	28 800	1953
1954	---	9.49 ON JUN 28	0 ON APR 1	38 500	1954
1955	---	7.84 ON AUG 11	0 ON APR 1	27 000	1955
1956	---	8.10 ON JUN 14	0 ON APR 1	24 500	1956
1957	---	10.4 ON JUL 20	0 ON APR 1	43 000	1957
1958	---	5.87 ON AUG 8	0 ON APR 1	36 400	1958
1959	---	7.62 ON JUL 19	0 ON APR 1	31 400	1959
1960	---	10.7 ON JUL 18	0 ON APR 1	53 100	1960
1961	---	10.4 ON JUN 7	0 ON APR 1	56 700	1961
1962	---	8.52 ON JUL 24	0 ON APR 1	53 000	1962
1963	---	7.76 ON JUN 21	0 ON APR 1	40 100	1963
1964	---	8.13 ON JUL 17	0 ON APR 1	49 800	1964
1965	---	4.59 ON AUG 4	0 ON APR 1	17 800	1965
1966	---	4.23 ON AUG 4	0 ON APR 1	18 500	1966
1967	---	9.26 ON JUL 28	0 ON APR 1	37 200	1967
1968	---	5.18 ON JUL 28	0 ON APR 1	26 200	1968
1969	---	3.84 ON AUG 1	0 ON APR 1	20 000	1969
1970	---	8.57 ON JUL 21	0 ON APR 1	37 100	1970
1971	---	7.33 ON JUL 21	0 ON APR 1	37 000	1971
1972	---	4.39 ON JUN 10	0 ON APR 1	29 000	1972
1973	---	12.7 ON JUL 25	0 ON APR 1	72 700	1973
1974	---	11.2 ON JUL 20	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 500	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - TURIN BRANCH CANAL - STATION NO. 05AC010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	2.59	---	---	---	---	1924
1925	---	---	---	0	1.25	5.38	10.5	2.20	0.733	1.08	0	---	2.79	1925
1926	---	---	---	0.031	3.85	7.94	9.71	2.20	0.882	0.902	0	---	3.17	1926
1927	---	---	---	0.003	0.463	0.954	2.32	2.48	1.01	0.775	0	---	1.01	1927
1928	---	---	---	0	2.91	4.83	0.521	1.68	1.80	3.53	0	---	1.89	1928
1929	---	---	---	0	0.506	1.37	10.1	3.37	2.51	10.6	0	---	3.80	1929
1930	---	---	---	0	1.84	11.6	9.33	4.14	2.14	2.43	0	---	3.90	1930
1932	---	---	---	0	0.945	1.92	9.22	4.22	1.90	2.13	0	---	2.57	1932
1934	---	---	---	0.078	7.13	2.92	8.87	8.30	2.23	2.84	0	---	3.84	1934
1935	---	---	---	0	0.557	9.06	7.83	4.48	3.00	4.31	0	---	3.84	1935
1936	---	---	---	0	0.724	8.86	8.13	3.42	3.21	1.41	0.232	---	3.11	1936
1937	---	---	---	0	3.52	8.87	10.8	4.43	4.81	2.58	0	---	4.14	1937
1938	---	---	---	0	0.869	10.8	9.96	3.91	3.21	3.09	0	---	4.00	1938
1939	---	---	---	0	4.68	1.46	7.47	8.08	3.84	3.28	0	---	3.38	1939
1940	---	---	---	0	0.565	7.85	8.68	4.10	2.31	1.83	0	---	3.21	1940
1941	---	---	---	0.178	4.06	5.71	10.7	5.34	1.85	0	0	---	3.51	1941
1942	---	---	---	1.18	1.79	0.882	8.47	3.80	1.74	1.44	0	---	2.15	1942
1943	---	---	---	0	1.82	8.40	11.0	7.22	4.46	3.85	0	---	4.62	1943
1944	---	---	---	0	4.39	6.53	11.0	8.18	6.29	2.85	0	---	4.55	1944
1945	---	---	---	0	1.07	1.88	7.94	8.73	3.78	1.78	0	---	3.18	1945
1946	---	---	---	0	5.38	2.46	10.0	8.98	3.28	2.24	0	---	3.63	1946
1947	---	---	---	0	1.28	2.21	10.6	4.78	3.33	1.28	0	---	2.85	1947
1948	---	---	---	0	0.065	0.331	5.10	1.98	1.42	1.24	0	---	1.28	1948
1949	---	---	---	0.231	3.88	5.07	11.8	5.48	5.02	2.13	0	---	4.33	1949
1950	---	---	---	0	1.12	5.88	7.83	8.84	5.39	2.02	0	---	3.89	1950
1951	---	---	---	0	0.263	0.585	2.25	4.27	0.605	0.483	0	---	1.08	1951
1952	---	---	---	0	0.573	2.35	4.38	4.87	2.15	2.15	0	---	2.09	1952
1953	---	---	---	0	0.605	0.454	5.30	5.28	2.48	1.77	0	---	2.01	1953
1954	---	---	0	0	0.865	5.16	10.5	5.34	1.10	1.19	0	0.285	3.18	1954
1955	---	---	---	0	0.031	2.12	1.28	7.43	5.17	1.58	0	---	2.21	1955
1956	---	---	---	0	0.330	3.39	2.84	5.70	3.72	1.95	0	---	2.28	1956
1957	---	---	---	0	2.77	4.28	9.89	7.23	5.01	2.01	0	---	4.08	1957
1958	---	---	---	0	1.86	5.74	5.54	7.47	5.21	3.40	0	---	3.84	1958
1959	---	---	---	0	0.587	4.22	5.58	5.91	4.15	2.10	0	---	2.83	1959
1960	---	---	---	0	1.74	4.61	9.36	5.88	4.53	5.40	0	---	3.84	1960
1961	---	---	---	0	3.02	11.7	10.5	8.36	5.02	2.06	0	---	4.87	1961
1962	---	---	---	0	4.82	8.21	11.0	7.78	5.08	5.88	0	---	5.39	1962
1963	---	---	---	0	6.81	8.42	1.82	8.88	5.12	5.81	0	---	4.09	1963
1964	---	---	---	0	0.776	5.43	12.8	9.22	3.61	5.20	1.84	---	4.88	1964
1965	---	---	---	0	1.13	3.01	2.73	6.82	1.66	3.58	0.280	---	2.44	1965
1966	---	---	---	0	1.78	2.40	4.36	7.20	6.34	2.96	0	---	3.18	1966
1967	---	---	---	0	0	2.20	9.77	6.82	5.40	5.00	0	---	3.91	1967
1968	---	---	---	0	1.92	5.63	9.03	6.88	3.91	1.78	0.214	---	3.67	1968
1969	---	---	---	0	1.10	4.72	3.13	6.48	6.33	3.20	0	---	3.38	1969
1970	---	---	---	0.038	3.02	5.63	8.86	9.24	5.86	5.28	0.809	---	4.90	1970
1971	---	---	---	0	1.84	5.96	10.9	8.47	5.57	2.88	0	---	4.48	1971
1972	---	---	---	0	0.529	6.98	7.86	7.70	3.70	1.49	0	---	3.56	1972
1973	---	---	---	0	6.53	6.88	8.86	8.16	3.02	2.56	0	---	4.28	1973
MEAN	---	---	0	0.038	2.04	4.86	7.74	5.72	3.61	2.77	0.069	0.285	3.38	MEAN

LOCATION - LAT 48 57 00 N
LONG 112 57 00 W REGULATED

DATA CONTRIBUTED BY -
LETHBRIDGE NORTHERN IRRIGATION DISTRICT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT - TURIN BRANCH CANAL - STATION NO. 05AC010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	13.0 ON JUL 5	0 ON APR 1 *	58 800	1925
1926	---	15.5 ON JUN 13	0 ON APR 1	86 800	1926
1927	---	3.74 ON JUL 2	0 ON APR 1	21 200	1927
1928	---	15.2 ON JUN 5	0 ON APR 1	39 800	1928
1929	---	15.5 ON OCT 17	0 ON APR 1	76 000	1929
1930	---	15.6 ON JUN 15 *	0 ON APR 1	82 200	1930
1932	---	14.5 ON JUL 20	0 ON APR 1	54 100	1932
1934	---	14.5 ON MAY 30	0 ON APR 1	74 800	1934
1935	---	14.5 ON JUN 27	0 ON APR 1	76 800	1935
1936	---	15.6 ON JUL 3	0 ON APR 1	85 500	1936
1937	---	15.5 ON JUL 1	0 ON APR 1	87 500	1937
1938	---	17.3 ON JUN 21	0 ON APR 1	84 300	1938
1939	---	14.7 ON JUL 27	0 ON APR 1	71 300	1939
1940	---	13.4 ON JUN 27	0 ON APR 1	67 700	1940
1941	---	17.5 ON JUN 26	0 ON APR 1	74 000	1941
1942	---	12.5 ON JUL 24	0 ON APR 1	45 300	1942
1943	---	13.1 ON JUL 1	0 ON APR 1	87 400	1943
1944	---	14.3 ON JUL 21	0 ON APR 1	95 900	1944
1945	---	15.4 ON JUL 30	0 ON APR 1	87 200	1945
1946	---	15.0 ON JUL 25	0 ON APR 1	80 800	1946
1947	---	15.3 ON JUL 18	0 ON APR 1	62 300	1947
1948	---	11.2 ON JUL 14	0 ON APR 1	27 000	1948
1949	---	14.4 ON JUL 5	0 ON APR 1	91 400	1949
1950	---	13.2 ON JUN 15	0 ON APR 1	84 100	1950
1951	---	9.51 ON AUG 1	0 ON APR 1	22 400	1951
1952	---	9.85 ON JUL 15	0 ON APR 1	44 000	1952
1953	---	10.6 ON JUL 24	0 ON APR 1	42 300	1953
1954	---	14.4 ON JUN 26	0 ON APR 1	87 100	1954
1955	---	10.4 ON AUG 12	0 ON APR 1	48 500	1955
1956	---	8.01 ON JUN 14	0 ON APR 1	47 700	1956
1957	---	15.2 ON JUL 17	0 ON APR 1	85 400	1957
1958	---	9.84 ON AUG 11	0 ON APR 1	78 800	1958
1959	---	9.77 ON JUL 27	0 ON APR 1	59 500	1959
1960	---	11.7 ON JUL 22	0 ON APR 1	83 000	1960
1961	---	14.1 ON JUN 18	0 ON APR 1	105 000	1961
1962	---	11.8 ON JUL 26	0 ON APR 1	114 000	1962
1963	---	13.0 ON JUN 20	0 ON APR 1	86 100	1963
1964	---	15.4 ON JUL 15	0 ON APR 1	103 000	1964
1965	---	10.1 ON AUG 4	0 ON APR 1	51 500	1965
1966	---	10.7 ON AUG 4	0 ON APR 1	86 800	1966
1967	---	15.1 ON JUL 31	0 ON APR 1	82 400	1967
1968	---	11.3 ON JUL 17	0 ON APR 1	77 300	1968
1969	---	9.74 ON AUG 1	0 ON APR 1	71 200	1969
1970	---	13.1 ON JUL 23	0 ON APR 1	103 000	1970
1971	---	12.1 ON JUL 23	0 ON APR 1	84 400	1971
1972	---	9.74 ON JUL 15	0 ON APR 1	75 000	1972
1973	---	11.8 ON JUL 17	0 ON APR 1	80 500	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		71 200	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO. 05AB019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1930	---	---	---	---	11.4	15.0	15.6	13.1	8.65	---	---	---	---	1930
1979	---	---	---	---	4.80	15.2	15.3	13.4	8.68	4.26	---	---	---	1979
1980	---	---	---	8.61	11.1	7.34	15.1	10.8	8.14	4.23	---	---	8.94	1980
MEAN	---	---	---	8.61	9.03	12.8	17.0	12.8	8.15	4.26	---	---	8.94	MEAN

LOCATION - LAT 49 41 10 N
LONG 113 34 20 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL ABOVE OLDMAN FLUME - STATION NO. 05AB019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1930	---	15.6 ON JUL 10 *	0B ON OCT 21 *	---	1930
1979	---	17.0 ON JUN 18	0 ON MAY 1	---	1979
1980	---	17.4 ON MAY 17	0 ON APR 1	155 000	1980
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		155 000	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HEADGATES - STATION NO. 05AB032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	11.8 R	11.5 R	18.7 R	12.2 R	5.81R	---	---	---	---	1925
1926	---	---	---	---	5.88R	15.5 R	14.3 R	11.3 R	6.89R	---	---	---	---	1926
1927	---	---	---	---	2.62R	2.73R	7.38R	5.41R	5.62R	5.09R	---	---	---	1927
1928	---	---	---	---	5.04R	12.2 R	1.70R	4.93R	4.35R	7.10R	---	---	---	1928
1977	---	---	---	8.58R	15.8 R	17.3 R	12.3 R	12.2 R	12.2 R	6.03R	---	---	11.7 R	1977
1978	---	---	---	---	6.82	17.8	17.4	14.5	10.4	6.84	---	---	---	1978
1980	---	---	---	8.85	11.9	7.89	17.3	11.9	8.80	4.71	---	---	9.89	1980
MEAN	---	---	---	7.71R	8.38R	12.1 R	12.4 R	10.3 R	7.40R	5.17R	---	---	10.8	MEAN

LOCATION - LAT 49 40 00 N
LONG 113 38 00 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

R - REVISED SINCE JAN 1980

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT HEADGATES - STATION NO. 05AB032

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	---	---	---	1925
1926	---	---	---	---	1926
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1977	---	18.0R ON JUN 8	0R ON APR 1 *	217 000R	1977
1978	---	18.8 ON JUN 18 *	0 ON MAY 1	---	1978
1980	---	18.1 ON MAY 20	0 ON APR 1	177 000	1980
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		197 000R	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT INLET TO KENO LAKE - STATION NO. 05AC009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	0.249	7.59	7.21	4.39	7.08	3.36	0.232	0	---	4.89	1925
1926	---	---	---	0.316	2.06	7.19	5.84	5.34	4.42	0.683	0	---	4.22	1926
1927	---	---	---	0.142	1.30	0.636	3.26	2.48	3.16	1.17	0	---	2.00	1927
1928	---	---	---	0	1.48	7.83	1.14	1.98	1.87	5.32	0	---	3.19	1928
1929	---	---	---	0	2.00	1.80	3.48	8.74	6.08	2.18	0.117	---	3.79	1929
1930	---	---	---	3.68	9.48	7.26	10.8	9.72	6.71	1.08	0	---	7.51	1930
MEAN	---	---	---	0.785	3.99	5.32	4.80	5.50	4.27	1.74	0.020	---	4.28	MEAN

LOCATION - LAT 49 55 20 N
LONG 113 09 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT INLET TO KENO LAKE - STATION NO. 05AC009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	14.6 ON JUN 13	0 ON JUN 28 *	78 900	1925
1926	---	13.9 ON JUN 18	0 ON OCT 19	87 100	1926
1927	---	8.62 ON JUL 17	0 ON OCT 22	31 800	1927
1928	---	14.6 ON JUN 18	0 ON MAY 1	80 700	1928
1929	---	10.0 ON AUG 7	0.188A ON MAY 3	58 900	1929
1930	---	15.0 ON MAY 4 *	0 B ON OCT 27	118 000	1930
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	67 700	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENZAGHIES BRIDGE - STATION NO. 05AB019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	0.883	8.93	9.23	13.8	9.62	4.12	0.932	0	---	5.85	1925
1926	---	---	---	0.638	4.62	13.1	12.3	9.13	5.40	1.61	0	---	5.84	1926
1927	---	---	---	0.432	1.58	1.74	5.62	4.14	4.35	4.08	0.004	---	2.75	1927
1928	---	---	---	0	4.63	10.4	1.24	3.63	2.85	6.08	0	---	3.80	1928
1929	---	---	---	0.024	2.66	4.29	9.54	10.1	8.42	7.85	0.045	---	5.40	1929
1930	---	---	---	4.84	10.7	14.6	18.4	12.4	7.97	2.74	0	---	8.95	1930
1932	---	---	---	0	6.61	2.61	12.4	12.6	5.14	3.39	0	---	5.66	1932
1933	---	---	---	0.881	3.47	14.5	15.3	14.4	5.27	3.40	0	---	7.16	1933
1934	---	---	---	0.771	14.1	6.89	7.11	11.2	6.00	3.30	0	---	6.43	1934
1935	---	---	---	0	6.56	10.5	17.8	11.6	6.41	4.73	0	---	7.02	1935
1936	---	---	---	0	6.43	11.2	14.2	7.58	6.87	5.12	0	---	6.73	1936
1937	---	---	---	0	17.9	15.4	18.1	13.5	8.49	5.87	0	---	8.89	1937
1938	---	---	---	0	7.27	12.6	15.1	9.38	5.63	4.62	0	---	6.87	1938
1939	---	---	---	0.709	16.7	8.41	9.38	11.7	10.0	4.62	0	---	7.76	1939
1940	---	---	---	0	10.6	15.2	15.1	11.8	7.98	2.82	0	---	7.84	1940
1941	---	---	---	0.240	13.3	7.82	15.1	7.85	5.38	2.75	0	---	6.59	1941
1942	---	---	---	4.75	7.82	0.320	1.78	5.85	2.45	3.84	0	---	3.34	1942
1943	---	---	---	0	10.2	12.0	17.0	11.6	6.77	5.86	0.133	---	7.98	1943
1944	---	---	---	5.13	22.6	11.1	13.9	7.74	4.78	2.87	0	---	8.87	1944
1945	---	---	---	4.22	11.4	4.32	7.49	11.6	9.30	3.64	0	---	6.61	1945
1946	---	---	---	0	13.1	7.01	11.1	13.6	6.18	2.93	0	---	6.79	1946
1947	---	---	---	0	6.43	2.76	14.3	11.4	2.52	3.32	0	---	4.89	1947
1948	---	---	---	0	5.43	4.14	9.57	8.37	10.5	7.71	0	---	5.75	1948
1949	---	---	---	1.84	10.9	7.17	15.1	8.32	6.31	6.22	0.368	---	7.34	1949
1950	---	---	---	0.603	14.3	14.4	13.0	12.3	8.05	6.30	0	---	8.80	1950
1951	---	---	---	0	3.46	3.71	3.14	5.74	3.14	2.42	0	---	2.72	1951
1952	---	---	---	0	5.25	4.52	4.26	5.50	3.81	3.15	0	---	3.59	1952
1953	---	---	---	0	5.73	1.90	4.17	10.3	6.64	4.40	0	---	4.52	1953
1954	---	---	0	0	4.34	13.1	11.8	9.21	2.08	1.45	0	---	5.27	1954
1955	---	---	---	0.312	2.87	7.73	3.52	7.91	6.13	2.73	0	---	3.81	1955
1956	---	---	---	0	5.03	11.7	3.50	4.92	3.46	2.72	0	---	3.81	1956
1957	---	---	---	0	10.6	8.28	10.9	10.4	7.94	4.13	0	---	8.68	1957
1958	---	---	---	0	8.38	9.12	6.51	6.35	5.47	4.84	0	---	5.08	1958
1959	---	---	---	0.064	8.03	9.13	7.80	9.13	3.47	2.38	0	---	5.18	1959
1960	---	---	---	0	6.54	9.04	13.5	11.7	7.81	5.72	0	---	6.80	1960
1961	---	---	---	6.76	7.80	15.7	18.4	11.9	9.52	8.47	0	---	9.67	1961
1962	---	---	---	0.622	7.09	13.8	14.3	10.8	8.38	7.48	2.05	---	8.09	1962
1963	---	---	---	7.38	8.98	12.9	2.18	7.23	8.30	8.32	0	---	8.85	1963
1964	---	---	---	0	8.24	14.1	13.2	12.8	11.4	7.20	2.25	---	8.27	1964
1965	---	---	---	0	8.76	4.43	3.04	10.0	3.32	2.28	0	---	3.76	1965
1966	---	---	---	0	2.78	3.56	3.07	4.28	3.30	2.85	0	---	2.48	1966
1967	---	---	---	0	0.471	3.85	12.6	15.4	8.68	4.88	0	---	5.77	1967
1968	---	---	---	2.05	11.4	12.0	12.9	10.9	2.18	1.90	0	---	5.71	1968
1969	---	---	---	0	3.60	11.7	3.12	12.9	8.85	3.32	0	---	5.44	1969
1970	---	---	---	1.31	12.7	8.87	12.5	10.3	5.54	3.88	0	---	6.94	1970
1971	---	---	---	6.62	14.7	7.88	14.7	13.1	8.88	3.78	0	---	8.77	1971
1972	---	---	---	0	8.08	13.7	14.4	12.5	5.02	2.55	0	---	6.61	1972
1973	---	---	---	8.41	13.8	14.3	15.4	11.4	8.08	7.88	0.211	---	10.1	1973
1974	---	---	---	1.32	11.0	9.11	15.3	16.3	14.4	7.78	0	---	9.44	1974
1975	---	---	---	0	4.44	7.28	10.2	14.2	9.10	4.14	0	---	5.20	1975
1976	---	---	---	2.35	11.5	15.3	15.6	13.1	8.65	5.51	0	---	8.05	1976
1977	---	---	0	8.30	15.3	16.7	12.0	11.8	11.2	3.78	0	---	8.91	1977
1978	---	---	---	0	0	10.8	14.0	10.5	2.80	2.01	0	---	5.03	1978
1979	---	---	---	0	4.80	15.4	16.3	13.5	9.38	4.25	0	---	8.11	1979
1980	---	---	---	8.37	10.8	7.47	16.1	11.0	8.32	4.65	0	---	7.69	1980
1981	---	---	---	5.94	7.67	7.47	15.6	10.8	8.31	8.04	0	---	7.78	1981
1982	---	---	---	1.69	11.3	13.8	15.4	14.6	9.98	0.003	0	---	8.35	1982
1983	---	---	---	5.90	10.9	15.7	16.5	13.2	7.74	0.354	0	---	8.82	1983
1984	---	---	---	8.78	15.6	14.9	14.3	10.4	8.92	0.804	0	---	10.4	1984
MEAN	---	---	---	1.72	8.65	9.76	11.4	10.5	6.76	4.08	0.085	---	6.65	MEAN

LOCATION - LAT 49 43 39 N
LONG 113 33 00 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT MENZAGHIES BRIDGE - STATION NO. 05AB018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	15.8 ON JUL 21	0 ON APR 1 *	126 000	1925
1926	---	17.6 ON JUN 17	0 ON APR 1	123 000	1926
1927	---	9.45 ON JUL 16	0 ON APR 1	86 000	1927
1928	---	16.8 ON JUN 8	0 ON APR 1	76 800	1928
1929	---	15.7 ON AUG 4	0 ON APR 1	114 000	1929
1930	---	18.3 ON JUL 8	0E ON APR 1	189 000	1930
1932	---	17.9 ON JUL 26	0 ON APR 1	120 000	1932
1933	---	17.6 ON JUN 28	0E ON APR 1	151 000	1933
1934	---	22.5 ON MAY 27	0E ON APR 1	135 000	1934
1935	---	21.3 ON JUL 16	0 ON APR 1	148 000	1935
1936	---	19.3 ON JUL 3	0 ON APR 1	142 000	1936
1937	---	20.5 ON JUL 6	0E ON APR 1	204 000	1937
1938	---	18.7 ON JUL 23	0E ON APR 1	145 000	1938
1939	---	19.3 ON MAY 30	0E ON APR 1	184 000	1939
1940	---	17.3 ON JUN 25	0 ON APR 1	167 000	1940
1941	---	19.1 ON MAY 13	0 ON APR 1	138 000	1941
1942	---	19.7 ON MAY 7	0 ON APR 1	70 300	1942
1943	---	18.4 ON JUL 28	0 ON APR 1	168 000	1943
1944	---	23.9 ON MAY 15 *	0E ON APR 1	181 000	1944
1945	---	18.2 ON MAY 6	0 ON APR 1	137 000	1945
1946	---	18.0 ON JUN 8	0 ON APR 1	143 000	1946
1947	---	18.4 ON JUL 26	0 ON APR 1	103 000	1947
1948	---	18.4 ON JUL 27	0 ON APR 1	121 000	1948
1949	---	19.3 ON MAY 6	0 ON APR 1	155 000	1949
1950	---	18.5 ON JUN 19	0 ON APR 1	155 000	1950
1951	---	10.7 ON AUG 11	0 ON APR 1	57 300	1951
1952	---	12.6 ON MAY 16	0 ON APR 1	75 500	1952
1953	---	11.9 ON SEP 9	0 ON APR 1	85 500	1953
1954	---	15.1 ON JUN 28	0 ON APR 1	111 000	1954
1955	---	18.1 ON JUN 23	0 ON APR 1	82 300	1955
1956	---	14.8 ON JUN 14	0 ON APR 1	82 500	1956
1957	---	15.2 ON JUN 9	0 ON APR 1	141 000	1957
1958	---	15.7 ON JUN 7	0 ON APR 1	107 000	1958
1959	---	15.3 ON JUN 28	0 ON APR 1	109 000	1959
1960	---	14.4 ON JUL 3	0 ON APR 1	143 000	1960
1961	---	17.8 ON JUL 28	0 ON APR 1	202 000	1961
1962	---	15.7 ON JUN 10	0 ON APR 1	171 000	1962
1963	---	15.7 ON JUN 13	0 ON APR 1	140 000	1963
1964	---	15.4 ON JUN 25	0 ON APR 1	174 000	1964
1965	---	13.5 ON AUG 6	0 ON APR 1	79 200	1965
1966	---	8.18 ON AUG 5	0 ON APR 1	52 500	1966
1967	---	16.5 ON AUG 5	0 ON APR 1	121 000	1967
1968	---	17.9 ON AUG 15	0 ON APR 1	141 000	1968
1969	---	16.7 ON JUN 16	0 ON APR 1	115 000	1969
1970	---	16.5 ON JUL 22	0 ON APR 1	146 000	1970
1971	---	16.6 ON APR 28	0 ON APR 1	185 000	1971
1972	---	16.0 ON JUN 24	0 ON APR 1	144 000	1972
1973	---	16.1 ON JUL 22	0 ON APR 1	212 000	1973
1974	---	16.7 ON AUG 12	0 ON APR 1	189 000	1974
1975	---	15.6 ON AUG 16	0E ON APR 1	131 000	1975
1976	---	16.9 ON JUL 1	0 ON APR 1	191 000	1976
1977	---	17.5 ON JUN 18	0 ON APR 1	209 000	1977
1978	---	15.2 ON JUL 26	0 ON APR 1	106 000	1978
1979	---	17.1 ON JUN 25	0 ON APR 1	171 000	1979
1980	---	16.5 ON JUN 27	0E ON APR 1	186 000	1980
1981	---	16.4 ON AUG 1	0 ON APR 1	184 000	1981
1982	---	17.4 ON AUG 11	0 ON APR 1	176 000	1982
1983	---	17.0 ON JUL 18	0 ON APR 1	188 000	1983
1984	---	18.5 ON JUL 10	0 ON APR 1	219 000	1984
				140 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT SYPHON SPILLWAY - STATION NO. 05AB018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	8.67	12.6	16.7	20.2	8.58	---	---	---	---	1924
1926	---	---	---	---	5.81	15.1	14.2	11.0	6.50	2.10	---	---	---	1926
1927	---	---	---	---	2.62	2.58	6.78	5.25	5.47	5.06	---	---	---	1927
1928	---	---	---	---	5.76	11.8	1.80	4.65	4.12	7.17	---	---	---	1928
1929	---	---	---	---	3.72	8.12	11.4	11.7	8.83	6.88	---	---	---	1929
1930	---	---	---	---	12.3	16.8	20.6	14.8	8.87	---	---	---	---	1930
1932	---	---	---	---	6.89	2.19	13.0	13.7	6.87	---	---	---	---	1932
MEAN	---	---	---	---	6.86	9.45	12.1	11.6	6.89	5.82	---	---	---	MEAN

LOCATION - LAT 49 40 50 N
LONG 113 36 50 W

REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL AT SYPHON SPILLWAY - STATION NO. 05AB018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	21.5 ON AUG 19 *	---	---	1924
1926	---	20.4 ON JUN 15	---	---	1926
1927	---	11.1 ON JUL 18	---	---	1927
1928	---	19.7 ON JUN 8	---	---	1928
1929	---	18.0 ON AUG 4	---	---	1929
1930	---	21.5 ON JUN 19	---	---	1930
1932	---	18.6 ON JUL 22	---	---	1932
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KENO OUTFLOW - STATION NO. 05AC026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	5.14 R	14.1 R	---	4.45R	5.04R	---	---	---	---	1977
1978	---	---	---	---	---	2.68	11.5	6.34	2.54	1.42	---	---	---	1978
1979	---	---	---	---	0.387	9.49	14.7	5.10	3.78	2.30	---	---	5.95	1979
1980	---	---	---	---	3.74	4.45	11.6	4.37	4.55	2.93	---	---	5.29	1980
1981	---	---	---	---	2.05	4.81	11.5	5.58	5.95	2.93	---	---	5.58	1981
1982	---	---	---	---	1.53	8.40	8.12	7.74	5.85	0.841	---	---	5.38	1982
1983	---	---	---	---	2.40	15.4	8.02	7.30	5.53	0.498	---	---	5.48	1983
1984	---	---	---	---	5.29	14.0	9.88	5.37	3.14	1.40	---	---	5.82	1984
MEAN	---	---	---	---	3.07 R	9.13R	10.8	5.78R	4.67R	1.73	---	---	5.88	MEAN

LOCATION - LAT 49 57 00 N
LONG 112 58 15 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

R - REVISED SINCE JAN 1980

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW KENO OUTFLOW - STATION NO. 05AC026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	---	16.4 ON JUL 17	0 ON JUN 1 *	---	1978
1979	---	17.5 ON JUL 20	0 ON MAY 1	94 800	1979
1980	---	15.2 ON JUL 9	0 ON MAY 1	83 800	1980
1981	---	16.2 ON JUL 7	0 ON MAY 1	88 600	1981
1982	---	15.6 ON JUN 28	0 ON MAY 1	85 300	1982
1983	---	17.2 ON JUN 17	0 ON MAY 1	103 000	1983
1984	18.2 AT 10:10 MST ON JUL 7 *	17.9 ON JUL 8 *	0 ON MAY 1	105 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		93 400	MEAN

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	7.42R	9.38R	8.10R	3.37R	8.67R	9.12 R	2.08 R	---	---	6.67R	1977
1978	---	---	---	---	---	8.58	7.87	7.40	0.833	0.710	---	---	---	1978
1979	---	---	---	---	3.47	7.87	8.43	10.1	8.08	3.17	---	---	---	1979
1980	---	---	---	5.48	8.79	2.83	5.18	7.15	3.88	2.80	---	---	4.78	1980
1981	---	---	---	6.85	8.47	4.80	7.28	8.88	4.07	3.62	---	---	6.44	1981
1982	---	---	---	1.18	8.82	8.81	8.58	8.78	5.84	0	---	---	5.15	1982
1983	---	---	---	6.73	7.80	3.58	7.54	8.88	4.74	0.675	---	---	5.11	1983
1984	---	---	---	7.33	11.1	7.38	8.31	7.32	8.02	0.018	---	---	7.08	1984
MEAN	---	---	---	5.18R	7.88R	6.04R	6.32R	7.83R	5.52 R	1.80 R	---	---	5.88	MEAN

LOCATION - LAT 49 54 00 N
LONG 113 11 00 W REGULATED

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

R - REVISED SINCE JAN 1980

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW MONARCH HEADGATES - STATION NO. 05AC029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	17.5R ON MAY 1	0R ON APR 1 *	121 000R	1977
1978	---	13.5 ON JUN 16	0 ON JUN 1	---	1978
1979	---	15.1 ON AUG 1	0 ON MAY 1	---	1979
1980	---	14.6 ON APR 29	0 ON APR 1	88 000	1980
1981	14.9 AT 10:55 MST ON APR 30 *	14.7 ON APR 30	0 ON APR 1	100 000	1981
1982	---	13.8 ON MAY 14	0 ON APR 1	85 300	1982
1983	---	15.6 ON JUL 18	0 ON APR 1	94 500	1983
1984	---	17.7 ON APR 28 *	0 ON APR 1	131 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		105 000R	MEAN
		R - REVISED SINCE JAN 1980			

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW OLDMAN FLUME - STATION NO. 05AB020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	9.04	9.20	14.0	9.87	4.35	---	---	---	---	1925
1926	---	---	---	---	4.88	13.3	12.3	9.49	5.55	---	---	---	---	1926
1927	---	---	---	---	1.88	2.00	5.81	4.40	4.55	4.22	---	---	---	1927
1928	---	---	---	---	---	10.7	1.38	4.04	3.42	---	---	---	---	1928
1929	---	---	---	---	2.96	4.58	9.97	10.3	8.71	8.01	---	---	---	1929
1930	---	---	---	---	10.9	14.8	18.4	12.7	8.45	---	---	---	---	1930
1932	---	---	---	---	8.85	2.58	12.3	13.4	5.89	---	---	---	---	1932
MEAN	---	---	---	---	6.42	8.18	10.8	9.17	5.82	6.12	---	---	---	MEAN

LOCATION - LAT 49 41 55 N
LONG 113 33 42 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL BELOW OLDMAN FLUME - STATION NO. 05AB020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	16.1 ON JUL 23	---	---	1925
1926	---	17.9 ON JUN 15	---	---	1926
1927	---	9.48 ON JUL 16	---	---	1927
1928	---	17.5 ON JUN 5	---	---	1928
1929	---	18.1 ON AUG 4	---	---	1929
1930	---	18.5 ON JUL 10 *	0B ON OCT 21 *	---	1930
1932	---	17.1 ON JUL 23	---	---	1932
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LETHBRIDGE NORTHERN IRRIGATION DISTRICT CANAL NEAR WILLOW CREEK FLUME - STATION NO. 05AB031

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	5.24R	9.18R	12.8R	10.8 R	4.57R	---	---	---	---	1924
1925	---	---	---	---	8.91R	9.22R	13.7R	9.63R	4.08R	---	---	---	---	1925
1926	---	---	---	---	4.17R	12.1 R	11.5R	8.73R	5.29R	---	---	---	---	1926
MEAN	---	---	---	---	5.44R	10.2 R	12.8R	11.4 R	4.64R	---	---	---	---	MEAN

LOCATION - LAT 49 47 10 N
LONG 113 31 00 W REGULATED

R - REVISED SINCE JAN 1980

LETHBRIDGE NORTHERN IRRIGATION DISTRICT MUD LAKE CANAL NEAR MACLEOD - STATION NO. 05AB017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	0.077	0.088	0.015	0.075	0.048	---	---	---	1924
1925	---	---	---	---	0.014	0	0.093	---	---	---	---	---	---	1925
1926	---	---	---	---	---	---	0.029	0.083	0	0.013	---	---	---	1926
MEAN	---	---	---	---	0.014	0.038	0.084	0.038	0.038	0.030	---	---	---	MEAN

LOCATION - LAT 49 44 00 N
LONG 113 32 44 W REGULATED

LETHBRIDGE NORTHERN IRRIGATION DISTRICT MUD LAKE CANAL NEAR MACLEOD - STATION NO. 05AB017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	0.193 ON SEP 4	0 ON JUN 1 *	---	1924
1925	---	0.239 ON JUL 8 *	0 ON MAY 1	---	1925
1926	---	---	0 ON JAN 1	---	1926
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LINDSAY COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	0.083	0.055	---	---	---	0	0.014	0.019	---	---	---	1925
1926	---	0.002	0.045	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	0.043	0.051	0.247	0.001	0.124	0.033	0.002	0	---	---	---	1927
1928	0.188	0	0.348	0.012	0	0	---	---	---	---	---	---	---	1928
1929	---	---	0.001	0.002	0	---	---	---	---	---	---	---	---	1929
MEAN	0.708	0.001	0.104	0.040	0.082	0.001	0.124	0.017	0.006	0.010	---	---	---	MEAN

LOCATION - LAT 49 03 50 N DRAINAGE AREA, 28.8 km^2
LONG 110 25 20 W NATURAL FLOW

LINDSAY COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	0.903 ON APR 23	0 ON MAR 1 *	---	1925
1926	---	0.5248 ON MAR 1	0B ON FEB 1	---	1926
1927	---	1.78 ON MAY 23 *	0B ON MAR 1	---	1927
1928	---	1.56 ON JAN 12	0B ON JAN 1	---	1928
1929	---	---	0B ON MAR 1	---	1929
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.566	1.19	0.978	---	---	---	1910
1911	---	---	---	0.577	1.08	0.798	0.277	0.262	0.272	0.184	---	---	---	1911
1912	---	---	---	0.449	0.895	0.849	0.200	0.003	0.557	1.91	1.95	---	---	1912
1913	0.639	1.03	1.36	1.31	1.08	1.42	0.831	0.751	0.811	0.685	0.536	0.611	0.934	1913
1914	0.382	0.412	0.488	0.408	0.762	0.813	0.660	0.428	0.305	0.286	0.328	0.251	0.463	1914
1915	0.215	0.182	0.177	0.186	0.944	1.80	0.588	0.262	0.095	0.081	0.221	0.082	0.410	1915
1916	0.020	0.380	0.364	0.328	1.20	2.82	0.256	0	0	0	0	0	0.452	1916
1917	0	0	0	0	0	0.148	0.005	0	0	0	0	0	0.012	1917
1918	0	0	0	0	0	0	0.080	0.368	0.218	0.140	0.042	0.013	0.071	1918
1919	0.004	0.005	0	0.009	0.273	0.135	0.188	0.408	0.189	0.113	0.089	0.027	0.118	1919
1920	0.015	0.006	0.003	0.022	0.177	0.813	0.407	0.027	0.039	0.204	0.088	0.057	0.138	1920
1921	0.038	0.044	0.048	0.038	0.271	0.327	0.498	0.348	0.149	0.222	0.084	0.088	0.178	1921
1922	0.020	0.008	0.018	0.078	0.347	0.488	0.080	0.048	0.030	0.088	0.020	0.001	0.098	1922
1923	0	0	0	0.080	0.201	---	---	---	---	0.288	0.752	0.418	---	1923
1924	0.080	0.035	0.051	0.097	0.322	0.795	0.770	1.40	0.810	0.798	0.818	0.432	0.518	1924
1925	0.217	0.254	0.280	0.072	0.205	0.893	1.24	1.50	1.40	1.17	0.803	0.674	0.728	1925
1926	0.184	0.091	0.088	0.318	0.782	0.771	0.700	0.592	1.21	0.944	0.370	0.343	0.538	1926
1927	0.262	0.189	0.078	0.078	0.088	0.080	0.043	0.312	0.183	0.121	0.052	0.043	0.118	1927
1928	0.038	0.028	0.041	0.008	0.143	0.147	0.050	0.028	0.028	0.003	0.002	0.001	0.043	1928
1929	0.001	0	0.002	0.003	0.010	2.89	0.033	0.228	0.185	0.094	0.108	0.082	0.308	1929
1930	0.052	0.172	0.083	0.104	0.187	0.128	0.285	0.170	0.152	0.127	0.150	0.137	0.144	1930
1931	0.087	0.027	0.033	0.034	---	---	---	---	---	---	---	---	---	1931
1933	---	---	---	---	---	---	0.852	1.02	0.748	---	---	---	---	1933
1935	---	---	---	0.086	0.038	0.282	0.486	0.802	0.636	0.562	---	---	---	1935
1936	---	---	---	0.010	---	---	---	---	---	---	---	---	---	1936
1938	---	---	---	0.185	0.360	0.282	0.410	0.444	0.488	0.581	---	---	---	1938
1939	---	---	0.008	0.313	0.824	0.343	0.431	0.507	0.885	0.816	---	---	---	1939
1940	---	---	---	0	0.118	0.578	0.488	0.439	0.383	0.338	---	---	---	1940
1941	---	---	---	0.281	0.808	0.628	0.618	0.887	0.382	0.328	---	---	---	1941
1942	---	---	---	0.020	0	---	---	---	---	---	---	---	---	1942
1943	---	---	---	0	0.010	0.026	0.540	0.381	0.288	0.228	---	---	---	1943
1944	---	---	---	0	0.128	0.201	0.388	0.401	0.387	0.303	---	---	---	1944
1945	---	---	0	0	0	0	0.118	0.181	0.348	0.038	---	---	---	1945
1946	---	---	0	0.023	0.023	0.023	0.490	0.888	0.355	0.273	---	---	---	1946
1947	---	---	---	0	0	0	0.054	0.271	0.187	0	---	---	---	1947
1948	---	---	---	0	0	0	0.017	0.489	0.447	0.321	---	---	---	1948
1949	---	---	---	0	0.209	0.248	0.878	1.22	1.21	1.19	0.302	---	---	1949
1950	---	---	---	0	0.012	0.841	1.35	1.08	0.851	1.13	0	---	---	1950
1951	---	---	0	0.049	0.071	0.082	0.528	0.712	0.241	0.228	0	---	---	1951
1952	---	---	0	0	0	0.026	0.385	0.330	0.232	0.174	0.018	---	---	1952
1953	---	---	0	0	0.014	0.017	0.104	0.285	0.817	0.398	0.223	---	---	1953
1954	---	---	0	0	0.023	0.013	0.490	0.273	0.188	0.122	---	---	---	1954
1955	---	---	0	0.027	0.022	0.015	0.023	0.227	0.228	0.148	0	---	---	1955
1956	---	---	0	0	0.028	0.081	0.283	0.286	0.178	0.151	0	---	---	1956
1957	---	---	0	0	0.017	0.017	0.131	0.184	0.116	0.084	0	---	---	1957
1958	---	---	0	0.001	0.008	0.008	0.142	0.282	0.282	0.190	0.095	---	---	1958
1959	---	---	0	0.003	0.008	0.008	0.222	0.240	0.002	0	0	---	---	1959
1960	---	---	0	0	0.003	0.008	0.293	0.435	0.328	0.262	---	---	---	1960
1961	---	---	0	0.035	0.083	0.180	0.851	0.318	0.144	0.291	0.102	---	---	1961
1962	---	---	0.007	0.005	0.219	0.211	0.477	0.381	0.318	0.084	---	---	---	1962
1963	---	---	0.001	0.048	0.343	0.853	0.372	0.271	0.185	0.067	---	---	---	1963
1964	---	---	0	0.001	0.018	0.081	0.541	0.142	0.218	0.253	0.187	---	---	1964
1965	---	---	0	0	0.012	0.137	0.821	0.348	0.478	0.800	0.085	---	---	1965
1966	---	---	0	0.021	0.087	0.084	0.585	0.188	0.028	0.008	0	---	---	1966
1967	---	---	---	---	---	---	0.118	0.772	0.588	0.578	---	---	---	1967
1968	---	---	---	0.011	0.011	0.187	0.700	0.342	0.005	0.021	---	---	---	1968
1969	---	---	---	---	0.044	0.473	0.417	0.343	0.480	0.953	0.389	---	---	1969
1970	---	---	---	---	0.017	0.181	0.808	0.828	0.803	0.813	---	---	---	1970
1971	---	---	---	---	0.003	1.08	0.980	0.626	0.184	0.084	0.057	---	---	1971
1972	---	---	---	---	0.010	0.007	1.08	0.873	0.780	0.288	0.238	0.343	---	1972
1973	0.304	0.328	0.280	0.180	0.407	0.824	0.591	0.454	0.300	0.181	0.112	0.144	0.328	1973
1974	0.189	0.184	0.130	0.336	0.371	0.232	0.681	0.658	0.898	0.443	0.318	0.400	0.384	1974
1975	0.405	0.311	0.274	0.091	0.277	0.528	0.508	1.27	0.886	0.678	0.884	0.884	0.584	1975
1976	0.418	0.388	0.311	0.327	0.808	0.841	1.31	1.28	1.38	0.880	0.880	0.300	0.728	1976
1977	0.328	0.458	0.618	0.870	0.880	0.824	0.543	1.76	0.898	0.780	0.520	0.302	0.724	1977
1978	0.178	0.187	0.278	0.228	0.078	0.087	0.430	0.183	0.098	0.071	0.007	0.020	0.188	1978
1979	0.027	0.024	0.057	0.078	1.18	1.48	1.53	1.50	1.08	0.887	0.701	0.412	0.748	1979
1980	0.343	0.288	0.280	0.184	1.78	1.35	1.17	0.803	0.780	0.955	0.291	0.388	0.723	1980
1981	0.433	0.321	0.440	0.487	0.727	1.63	1.90	1.02	1.38	1.28	0.626	0.206	0.852	1981
1982	0.188	0.138	0.088	0.086	0.587	1.93	1.88	1.48	1.07	0.847	0.384	0.271	0.730	1982
1983	0.227	0.251	0.181	0.138	1.40	1.93	1.63	1.19	0.880	0.500	0.508	0.303	0.748	1983
1984	0.386	0.343	0.534	0.578	1.48	2.26	2.39	1.41	0.820	0.537	0.454	0.378	0.948	1984
MEAN	0.185	0.184	0.131	0.134	0.327	0.563	0.573	0.585	0.484	0.411	0.278	0.242	0.448	MEAN

LOCATION - LAT 50 34 59 N
LONG 113 52 18 W REGULATED SINCE 1910

LITTLE BOW CANAL AT HIGH RIVER - STATION NO. 05BL015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	2.70 ON MAY 18	0 ON JUN 8 *	---	1911
1912	---	3.74 ON JUN 18	0 ON JUN 26	---	1912
1913	---	2.07 ON APR 7	0.348 ON NOV 22	29 500	1913
1914	---	1.44 ON JUL 19	0.193 ON NOV 13	14 600	1914
1915	---	9.17 ON JUN 26	0 ON JUL 8	12 900	1915
1916	---	3.68 ON JUN 3	0 B ON JAN 1	14 300	1916
1917	---	0.408 ON JUN 8	0 ON JAN 1	381	1917
1918	---	1.25 ON AUG 13	0 ON JAN 1	2 230	1918
1919	---	0.793 ON AUG 2	0 ON MAR 1	3 720	1919
1920	---	1.69 ON JUN 18	0 B ON MAR 19	4 370	1920
1921	---	1.22 ON MAY 26	0 ON APR 13	5 620	1921
1922	---	1.30 ON JUN 4	0 B ON FEB 23	3 100	1922
1923	---	---	---	---	1923
1924	---	2.42 ON OCT 14	0.0288 ON FEB 7	18 400	1924
1925	---	2.01 ON AUG 18	0.058 ON MAY 14	33 000	1925
1926	---	1.40 ON JUN 18	0.0458 ON JAN 27	18 800	1926
1927	---	1.20 ON AUG 15	0.011 ON JUL 28	3 750	1927
1928	---	0.190 ON MAY 17	0 B ON DEC 29	1 380	1928
1929	---	18.6 E ON JUN 3 *	0 B ON JAN 1	9 840	1929
1930	---	0.8858 ON FEB 18	0.0428 ON FEB 15	4 550	1930
1931	---	---	---	---	1931
1933	---	---	---	---	1933
1935	---	0.731 ON AUG 18	---	---	1935
1936	---	---	0 ON APR 1	---	1936
1938	---	0.837 ON OCT 14	0 E ON APR 1	---	1938
1939	---	0.833 ON APR 21	---	---	1939
1940	---	0.708E ON MAY 27	0 ON APR 1	---	1940
1941	---	0.857 ON AUG 30	---	---	1941
1942	---	---	0 ON APR 1	---	1942
1943	---	0.861 ON JUL 4	0 ON APR 1	---	1943
1944	---	0.572 ON AUG 21	0 ON APR 1	---	1944
1945	---	0.861 ON AUG 31	0 ON MAR 1	---	1945
1946	---	1.18 ON AUG 25	0 ON MAR 1	---	1946
1947	---	0.388 ON JUL 27	0 ON APR 1	---	1947
1948	---	0.814 ON SEP 20	0 ON APR 1	---	1948
1949	---	1.78 ON AUG 25	0 ON APR 1	---	1949
1950	---	1.83 ON OCT 16	0 ON APR 1	---	1950
1951	---	1.55 ON AUG 2	0 ON MAR 1	---	1951
1952	---	0.425 ON JUL 21	0 ON MAR 1	---	1952
1953	---	0.852E ON AUG 29	0 E ON MAR 1	---	1953
1954	---	0.731E ON JUL 3	0 ON MAR 1	---	1954
1955	---	0.521 ON AUG 26	0 ON MAR 1	---	1955
1956	---	0.530 ON JUL 27	0 ON MAR 1	---	1956
1957	---	0.241 ON JUL 23	0 ON MAR 1	---	1957
1958	---	0.413 ON AUG 5	0 ON MAR 1	---	1958
1959	---	0.498 ON JUL 25	0 ON MAR 1	---	1959
1960	---	0.705 ON AUG 4	0 E ON MAR 1	---	1960
1961	---	0.782 ON JUL 7	0 ON MAR 1	---	1961
1962	---	0.782 ON SEP 2	---	---	1962
1963	---	8.37 E ON JUN 30	0 ON MAR 1	---	1963
1964	---	0.818 ON JUN 30	0 ON MAR 1	---	1964
1965	---	1.03 ON JUL 13	0 ON MAR 1	---	1965
1966	---	1.47 ON JUL 8	0 ON MAR 1	---	1966
1967	---	1.01 ON AUG 16	0 ON APR 17	---	1967
1968	---	0.847 ON JUL 13	0 ON AUG 10	---	1968
1969	---	5.88 ON JUL 1	---	---	1969
1970	---	1.23 ON JUL 8	0 ON MAY 1	---	1970
1971	---	1.03 ON JUN 19	0 ON MAY 1	---	1971
1972	---	1.58 ON JUL 7	---	---	1972
1973	---	1.33 ON MAY 28	0.018 ON MAY 21	10 200	1973
1974	---	1.03 ON JUL 28	0.068 ON JUN 2	12 100	1974
1975	---	1.55 ON AUG 17	0 ON APR 18	18 400	1975
1976	---	3.58 ON AUG 8	0.142 ON APR 19	23 000	1976
1977	---	2.58 ON AUG 3	0.144B ON DEC 31	22 800	1977
1978	---	0.803 ON JUL 14	0 B ON OCT 28	4 830	1978
1979	---	2.13 ON JUN 1	0.010B ON JAN 1	23 800	1979
1980	---	2.75 ON MAY 24	0.120 ON APR 18	23 200	1980
1981	---	2.88 ON JUL 28	0.190B ON DEC 31	30 000	1981
1982	---	2.54 ON JUN 14	0.048A ON APR 18	23 000	1982
1983	---	2.48 ON JUN 1	0.073 ON APR 13	23 800	1983
1984	---	2.84 ON JUL 22	0.204B ON NOV 2	30 000	1984
				14 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.753	0.280	0.037	0.437	0.523	0.331	0.327	0.080	---	1918
1919	0.010	0.005	0.003	1.23	0.932	0.348	0.148	0.920	0.381	0.257	0.221	0.087	0.526	1919
1920	0.018	0.005	6.53	12.3	6.46	1.84	1.02	0.087	0.057	0.321	0.410	0.188	3.52	1920
1921	0.011	0.222	1.06	2.27	0.748	0.405	0.313	0.382	0.218	0.309	0.187	0.030	0.709	1921
1922	0	0	0.181	2.34	1.26	0.697	0.330	0.072	0.056	0.111	0.080	0.015	0.626	1922
1923	0	0.002	0.378	0.550	0.455	5.59	2.21	1.01	0.670	0.444	0.348	0.588	1.17	1923
1924	0.085	0.539	0.548	1.75	0.684	1.51	0.978	1.69	1.05	1.18	0.892	0.281	1.17	1924
1925	0.010	0.253	2.40	1.95	0.529	1.84	1.15	1.45	1.85	2.38	---	---	1.88	1925
1926	---	---	1.38	1.01	0.773	2.41	1.98	1.10	4.02	2.92	---	---	1.84	1926
1927	---	---	1.69	1.79	4.22	6.65	3.42	1.93	3.23	4.12	---	---	3.40	1927
1928	---	---	---	4.15	1.73	2.56	3.11	1.81	1.04	1.07	---	---	---	1928
1929	---	---	1.81	1.88	2.55	6.67	1.14	0.548	0.624	0.748	---	---	1.84	1929
1930	---	1.39	1.61	2.48	1.17	0.975	0.526	0.155	0.239	0.384	---	---	0.839	1930
1931	---	---	0.513	0.801	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.713	0.729	---	---	---	1935
1936	---	---	2.83	---	0.462	0.489	---	---	---	---	---	---	---	1936
1955	---	---	2.24	5.87	10.8	4.75	4.05	1.42	1.42	1.22	---	---	3.87	1955
1956	---	---	1.98	2.79	2.80	1.18	1.23	0.674	0.536	0.466	---	---	1.48	1956
1957	---	---	1.22	2.16	1.31	0.892	0.348	0.361	0.511	0.745	---	---	0.815	1957
1958	---	---	0.884	21.4	3.08	1.21	1.12	0.480	0.523	0.421	---	---	3.56	1958
1959	---	---	10.7	1.88	1.80	1.71	0.988	0.858	0.370	0.417	---	---	2.28	1959
1960	---	---	5.07	1.30	1.43	0.809	0.141	0.481	0.359	0.407	---	---	1.22	1960
1961	---	---	0.881	0.581	0.834	0.227	0.452	0.451	0.391	0.447	---	---	0.480	1961
1962	---	---	2.87	2.85	0.845	0.261	0.389	0.317	0.487	0.341	---	---	0.894	1962
1963	---	---	0.843	0.382	0.484	0.823	3.37	1.15	0.873	1.20	---	---	1.07	1963
1964	---	---	0.328	1.24	1.27	0.783	0.748	0.038	0.795	0.899	---	---	0.723	1964
1965	---	---	0.778	3.21	0.498	1.75	3.32	1.38	1.44	1.34	---	---	1.71	1965
1966	---	---	1.88	0.883	1.17	2.07	1.88	0.854	0.355	0.440	---	---	1.15	1966
1967	---	---	4.33	2.80	5.14	4.82	1.23	0.788	0.788	0.895	---	---	2.82	1967
1968	---	---	1.27	0.830	0.418	0.825	0.940	0.858	0.788	0.818	---	---	0.888	1968
1969	---	---	---	7.85	2.47	2.78	8.88	1.48	---	---	---	---	---	1969
1970	---	---	2.05	2.75	2.05	3.85	2.18	0.850	1.10	1.08	---	---	2.00	1970
1971	---	---	5.51	7.91	1.22	2.10	1.47	0.898	0.675	0.835	---	---	2.54	1971
1972	---	---	9.03	2.83	1.88	1.14	1.44	1.35	1.22	0.887	---	---	2.45	1972
1973	---	---	3.28	1.97	1.58	1.44	0.678	0.557	0.882	0.630	---	---	1.35	1973
1974	---	---	2.10	3.44	3.83	1.42	1.31	1.48	1.09	1.11	0.858	---	1.98	1974
1975	---	---	0.882	7.83	3.88	3.02	1.30	1.56	1.41	1.08	---	---	2.51	1975
1976	---	---	2.51	2.08	1.28	1.10	0.848	2.07	1.38	1.17	---	---	1.58	1976
1977	---	---	1.38	1.40	1.01	0.758	0.303	0.845	0.842	0.823	---	---	0.941	1977
1978	---	---	4.48	2.12	1.71	1.29	0.787	0.838	0.828	0.830	---	---	1.68	1978
1979	---	---	2.78	2.87	2.82	0.807	0.882	1.41	1.13	0.949	---	---	1.84	1979
1980	---	---	1.27	2.10	1.88	1.55	1.08	0.788	0.884	1.07	---	---	1.33	1980
1981	---	---	1.13	0.788	3.58	2.81	2.52	2.48	1.70	1.47	---	---	2.07	1981
1982	---	---	0.815	---	---	---	2.34	1.30	1.57	1.42	---	---	---	1982
1983	---	---	1.08	1.18	1.85	1.75	1.47	1.08	1.01	0.882	0.812	0.148	1.30	1983
1984	0.257	0.583	1.04	1.41	1.52	2.39	1.01	1.38	0.930	0.801	0.587	0.420	1.31	1984
MEAN	0.050	0.331	2.24	3.09	2.01	1.98	1.53	0.984	0.947	0.925	0.481	0.200	1.88	MEAN

LOCATION - LAT 50 07 51 N DRAINAGE AREA, 2 780 km²
LONG 113 07 02 W REGULATED SINCE 1910

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

LITTLE BOW RIVER AT CARMANGAY - STATION NO. 05AC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---				
1919	---	2.48 ON AUG 17	0 ON OCT 12 *	---	1918
		4.83 ON AUG 4	0 B ON MAR 4	11 100	1919
1920	---				
1921	---	87.4 ON APR 21	0.0018 ON MAR 1	56 800	1920
1922	---	7.488 ON APR 2	0.025 ON JUL 3	15 000	1921
1923	38.5 ON JUN 4	7.08 ON APR 23	0 B ON MAR 1	13 200	1922
1924	---	28.0 ON JUN 4	0.082 ON OCT 28	37 500	1923
		8.218 ON APR 8	0.398 ON MAY 18	24 800	1924
1925	---				
1926	18.8 ON JUN 21	8.178 ON MAR 27	0.425 ON MAY 18	35 500	1925
1927	---	15.7 ON JUN 21	0.3408 ON MAR 1	41 100	1926
1928	---	15.6 ON MAY 31	0.3558 ON MAR 1	72 000	1927
1929	---	---	---	---	1928
		37.7 ON JUN 5	0 B ON MAR 1	41 200	1929
1930	---				
1931	---	9.348 ON MAR 29	0.068 ON AUG 30	18 900	1930
		---	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1955	38.5 B AT 18:00 MST ON MAR 31	25.4 ON MAY 25	0.0858 ON MAR 1	84 100	1955
1956	---	13.7 E ON MAR 20	0.0288 ON MAR 1	30 600	1956
1957	3.57 AT 07:00 MST ON APR 19	3.26 ON APR 20	0.221 ON JUL 18	19 400	1957
1958	---	80.1 B ON APR 2 *	0.0858 ON MAR 12	75 400	1958
1959	38.5 B AT 11:00 MST ON MAR 18	33.1 B ON MAR 18	0.0858 ON MAR 8	48 300	1959
1980	47.0 B AT 11:00 MST ON MAR 18 *	31.1 B ON MAR 18	0 ON JUL 27	25 800	1980
1981	2.488 AT 08:00 MST ON MAR 22	1.808 ON MAR 22	0 ON JUN 17	10 200	1981
1982	---	10.8 ON APR 2	0.037 ON JUL 5	21 100	1982
1983	---	19.7 ON JUL 2	0.147 ON MAY 1	22 700	1983
1984	---	3.00 ON MAY 8	0 ON AUG 12	15 300	1984
1985	---				
1986	12.5 B AT 23:30 MST ON MAR 10	8.37 ON JUL 12	0.0408 ON MAR 28	38 200	1985
1987	---	10.3 B ON MAR 11	0.0088 ON MAR 1	24 300	1986
1988	---	21.2 B ON MAR 24	0.0408 ON MAR 18	53 300	1987
1989	30.6 AT 18:48 MST ON JUL 8	2.82 ON JUN 10	0.224 ON JUN 28	18 300	1988
		28.4 ON JUL 8	---	---	1989
1970	---				
1971	28.8 AT 21:00 MST ON APR 5	23.8 A ON JUN 15	0.0858 ON MAR 1	42 200	1970
1972	---	22.7 ON APR 7	0.385 ON AUG 17	53 800	1971
1973	8.858 AT 18:30 MST ON MAR 3	47.3 B ON MAR 17	0 B ON MAR 1	51 900	1972
1974	14.7 B AT 18:45 MST ON MAR 30	8.408 ON MAR 3	0.241 ON JUL 29	28 500	1973
		9.348 ON MAR 31	0.3828 ON MAR 1	42 000	1974
1975	---				
1976	12.8 B AT 18:20 MST ON MAR 20	28.2 B ON APR 19	0.2418 ON MAR 11	53 000	1975
1977	4.78 AT 12:35 MST ON APR 7	11.2 B ON MAR 20	0.433 ON JUL 12	32 800	1976
1978	---	3.14 ON APR 7	0 ON JUL 31	18 900	1977
1979	---	13.0 B ON MAR 23	0.1278 ON MAR 1	33 500	1978
		15.9 B ON MAR 8	0 B ON MAR 1	34 700	1979
1980	5.87 AT 11:45 MST ON MAY 24	5.38 ON MAY 28	0.1828 ON MAR 8	28 200	1980
1981	10.7 AT 08:15 MST ON MAY 17	9.18 ON MAY 17	0.538 ON APR 26	43 800	1981
1982	7.88 AT 08:22 MST ON JUL 2	7.19 ON JUL 2	0.0048 ON MAR 8	---	1982
1983	3.428 AT 14:30 MST ON MAR 13	2.80 ON APR 28	0.804 ON JUL 30	27 800	1983
1984	4.30 AT 02:37 MST ON JUN 11	4.25 ON JUN 11	0.388 ON JUL 14	27 700	1984
				35 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.888	0.888	0.884	0.498	0.471	0.450	0.438	0.393	0.818	1957
1958	0.208	0.407	0.777	0.781	0.421	0.488	0.387	0.284	0.223	0.244	0.188	0.132	0.334	1958
1959	0.148	0.311	0.383	0.384	0.337	0.383	0.387	0.288	0.288	0.237	0.181	0.188	0.315	1959
1980	0.271	0.276	0.888	0.344	0.287	0.281	0.272	0.312	0.294	0.344	0.389	0.222	0.295	1980
1981	0.223	0.388	0.424	0.823	0.638	0.824	0.438	0.498	0.422	0.290	0.278	0.232	0.488	1981
1982	0.288	0.318	0.487	0.310	0.382	0.444	0.188	0.243	0.387	0.823	0.383	0.328	0.383	1982
1983	0.315	0.431	0.382	0.824	0.780	0.888	0.888	0.290	0.344	0.298	0.232	0.308	0.488	1983
1984	0.281	0.370	0.808	0.384	0.481	0.848	0.828	0.288	0.443	0.383	0.370	0.388	0.437	1984
1985	0.191	0.281	0.302	0.388	0.484	0.434	0.432	0.422	0.488	0.883	0.830	0.881	0.484	1985
1986	0.780	1.08	0.807	0.803	0.884	1.10	0.878	0.885	0.888	0.877	0.843	0.892	0.737	1986
1987	0.470	0.824	0.888	0.837	1.08	1.07	0.810	0.781	0.838	0.837	0.408	0.408	0.888	1987
1988	0.380	0.383	0.402	0.880	0.817	0.802	0.808	0.488	0.422	0.388	0.377	0.304	0.885	1988
1989	0.271	0.318	0.487	0.888	0.747	0.827	0.824	0.833	0.888	0.888	---	---	0.883	1989
1970	---	---	---	---	0.811	0.888	0.858	0.747	0.882	0.842	0.484	---	---	0.894	1970
1971	---	---	---	---	0.888	0.774	0.888	0.883	0.808	0.474	1.88	8.84	0.822	1971
1972	3.83	0.878	4.17	8.28	2.24	0.882	0.810	0.314	0.318	0.288	---	---	0.787	1972
1973	---	---	---	---	0.328	0.348	0.388	0.388	0.318	0.282	---	---	0.318	1973
1974	---	---	0.300	0.338	0.444	0.428	0.340	0.381	0.285	0.234	---	---	0.343	1974
1975	---	---	0.101	0.185	0.378	0.288	0.334	0.218	0.240	0.831	---	---	0.401	1975
1976	---	---	---	0.448	0.873	0.882	0.428	0.387	0.420	0.347	---	---	0.483	1976
1977	---	---	---	---	0.388	0.388	0.332	0.348	0.783	0.884	---	---	0.488	1977
1978	---	---	---	---	0.412	0.478	0.818	0.801	0.482	0.412	---	---	0.484	1978
1979	---	---	---	---	0.378	0.411	0.487	0.888	0.378	0.318	---	---	0.422	1979
1980	---	---	---	---	0.881	0.821	0.878	0.847	0.487	0.277	---	---	0.828	1980
1981	---	---	---	---	1.14	1.11	1.08	1.02	1.08	0.824	---	---	1.04	1981
1982	---	---	---	0.830	0.731	0.774	0.777	0.888	0.848	0.884	---	---	0.888	1982
1983	---	---	---	0.718	0.880	0.887	0.781	0.827	0.728	0.717	---	---	0.781	1983
1984	---	---	---	0.838	0.888	0.784	0.782	0.738	0.714	0.888	---	---	0.787	1984
MEAN	0.872	0.488	0.708	0.771	0.842	0.807	0.880	0.484	0.488	0.488	0.488	0.738	0.843	MEAN

LOCATION - LAT 50 08 04 N, LONG 112 40 14 W
DRAINAGE AREA, 8 330 km^2
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES FREQUENTLY OCCUR OUTSIDE THE STANDARD PERIOD

LITTLE BOW RIVER BELOW TRAVERS DAM - STATION NO. 05AC012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	0.840 ON AUG 11	0.085 ON AUG 7	8 230	1957
1958	---	0.702 ON JUN 30	0.113 ON SEP 18	5 310	1958
1959	---	0.564 ON JUN 27	0.207 ON OCT 29	5 010	1959
1960	---	0.476 ON OCT 20	0.102 ON OCT 18	4 890	1960
1961	---	0.731 ON MAY 26	0.249E ON OCT 30	7 440	1961
1962	---	0.848 ON AUG 27	0.011 ON SEP 7	5 820	1962
1963	---	0.874 ON MAY 19	0.048 ON OCT 18	7 440	1963
1964	---	0.874 ON JUL 7	0 ON AUG 15 *	8 980	1964
1965	---	0.851E ON OCT 28	0.402 ON MAY 1	7 370	1965
1966	---	1.34 ON JUN 11	0.470 ON AUG 8	11 700	1966
1967	---	1.31 ON JUN 18	0.278 ON OCT 20	13 800	1967
1968	---	1.24 ON MAY 26	0.364 ON OCT 17	9 310	1968
1969	---	1.26 ON JUL 11	0.532 ON OCT 28	10 900	1969
1970	---	0.858 ON JUL 14	0.467 ON OCT 23	9 440	1970
1971	---	0.917 ON AUG 23	0.283E ON OCT 28	9 900	1971
1972	---	5.60 ON MAY 4 *	0.003 ON OCT 4	12 700	1972
1973	---	0.442 ON JUL 1	0.093 ON MAY 7	5 050	1973
1974	---	0.515 ON MAY 12	0.210 ON OCT 20	5 480	1974
1975	---	1.69 ON OCT 17	0.158 ON OCT 13	6 380	1975
1976	1.21 AT 23:15 MST ON MAY 8	0.951 ON MAY 10	0.317 ON JUL 28	7 220	1976
1977	---	3.77 E ON SEP 28	0.263 ON JUL 24	7 240	1977
1978	2.81 AT 08:25 MST ON JUL 7 *	2.67 ON JUL 7	0.382 ON JUL 23	7 680	1978
1979	---	0.748 ON AUG 10	0.087 ON OCT 1	8 730	1979
1980	---	0.861 ON JUL 5	0.006 ON OCT 30	8 340	1980
1981	---	1.31 ON MAY 16	0.023 ON OCT 31	16 500	1981
1982	1.88 AT 18:00 MST ON AUG 10	1.01 ON JUL 1	0.442 ON AUG 12	11 100	1982
1983	1.48 AT 07:23 MST ON AUG 12	1.14 ON AUG 12	0.186 ON SEP 27	11 900	1983
1984	2.29 AT 21:34 MST ON AUG 2	1.08 B ON OCT 29	0.811 ON AUG 12	12 500	1984
				8 840	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	1.01	1.84	1.88	1.28	1.81	1.30	---	---	1.45	1973
1974	---	---	---	---	0.811	1.87	1.78	1.88	1.78	1.44	---	---	1.87	1974
1975	---	---	---	---	0.787	0.981	1.48	1.80	1.85	1.77	---	---	1.42	1975
1976	---	---	---	---	1.20	1.88	1.82	1.84	1.82	1.08	---	---	1.48	1976
1977	---	---	---	---	1.05	1.38	0.972	1.03	1.40	1.48	---	---	1.22	1977
1978	---	---	---	---	0.888	0.881	1.87	2.58	2.37	1.40	---	---	1.84	1978
1979	---	---	---	---	0.820	1.31	0.871	1.28	1.07	0.895	---	---	0.970	1979
1980	---	---	---	---	1.47	0.978	1.34	1.78	1.48	1.22	---	---	1.37	1980
1981	---	---	---	---	2.00	2.05	2.39	2.42	1.97	1.88	---	---	2.12	1981
1982	---	---	---	---	0.948	1.85	2.31	1.48	1.81	1.14	---	---	1.52	1982
1983	---	---	---	---	0.871	1.10	1.13	1.78	1.03	0.707	---	---	1.10	1983
1984	---	---	---	---	0.958	1.32	0.811	0.819	1.08	0.850	---	---	0.937	1984
MEAN	---	---	---	---	1.04	1.40	1.47	1.84	1.55	1.27	---	---	1.38	MEAN

LOCATION - LAT 49 54 00 N DRAINAGE AREA, 5 880 km^2
LONG 112 30 20 W REGULATED

LITTLE BOW RIVER NEAR THE MOUTH - STATION NO. 05AC023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	4.56 ON JUN 18	0.187E ON MAY 1	23 000	1973
1974	---	3.09 ON AUG 13	0.326 ON OCT 31	25 000	1974
1975	---	3.11 ON OCT 18	0.399 ON MAY 29	22 700	1975
1976	3.54 AT 13:10 MST ON AUG 6	3.17 ON AUG 6	0.396 ON OCT 30	23 700	1976
1977	4.05 AT 09:15 MST ON SEP 28	3.80 ON SEP 28	0.248 ON AUG 7	19 400	1977
1978	7.31 AT 01:55 MST ON AUG 23 *	5.52 ON AUG 23	0.303 ON JUN 5	24 500	1978
1979	---	3.47 ON AUG 22	0.215 ON AUG 2	18 400	1979
1980	---	6.32 ON MAY 25	0.124 ON OCT 31 *	21 900	1980
1981	---	4.82 ON JUN 14	0.221 ON OCT 31	33 700	1981
1982	---	12.6 ON JUL 3 *	0.584E ON MAY 1	24 200	1982
1983	---	3.38 ON AUG 13	0.404 ON JUL 15	17 500	1983
1984	---	2.04 ON JUN 23	0.174 ON JUL 14	14 900	1984
				22 200	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO. 05BJ009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	7.78	4.82	2.88	2.34	2.08	---	---	---	1978
1979	---	---	---	---	2.87	4.71	2.88	1.81	1.61	1.23	---	---	2.81	1979
1980	---	---	---	---	4.38	8.32	3.01	2.90	2.57	2.04	---	---	3.85	1980
1981	---	---	---	---	6.38	8.81	8.08	3.13	1.98	1.48	---	---	4.32	1981
1982	---	---	---	---	2.12	6.78	3.04	1.78	1.82	1.88	---	---	2.80	1982
1983	---	---	---	---	3.11	4.42	3.34	1.78	1.38	1.18	---	---	2.63	1983
1984	---	---	---	---	1.52	4.70	2.61	1.84	1.38	1.44	---	---	2.20	1984
MEAN	---	---	---	---	3.40	5.23	3.88	2.26	1.82	1.67	---	---	3.04	MEAN

LOCATION - LAT 50 47 42 N DRAINAGE AREA, 129 km²
LONG 114 55 00 W NATURAL FLOW

LITTLE ELBOW RIVER ABOVE NIHAHI CREEK - STATION NO. 05BJ009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	18.0 AT 20:00 MST ON JUN 5 *	14.2 ON JUN 5	---	---	1978
1979	13.4 AT 23:00 MST ON MAY 28	9.84 ON MAY 27	1.11 ON OCT 30	40 000	1979
1980	17.3 AT 20:00 MST ON JUN 10	13.8 ON JUN 10	1.74 A ON OCT 31	81 300	1980
1981	---	23.0 E ON MAY 26 *	1.31 ON MAY 8	88 800	1981
1982	11.8 AT 20:38 MST ON JUN 13	10.1 ON JUN 18	0.881 ON MAY 8	44 800	1982
1983	11.4 AT 20:29 MST ON MAY 28	8.58 ON MAY 28	1.09 ON OCT 28	40 100	1983
1984	8.22 AT 19:48 MST ON MAY 30	8.71 ON JUN 15	0.852 ON MAY 1 *	35 000	1984
				48 300	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	0.118	5.81	1.73	0.305	0.382	0.018	0	0	---	---	1.40	1953
1954	---	---	0	0.285	1.18	0.114	0.201	0.234	0.584	0.287	---	---	0.384	1954
1955	---	---	0.010	5.08	3.40	7.48	3.24	0.288	0.278	0.139	---	---	2.63	1955
1956	---	---	0.727	3.03	2.48	1.52	1.25	1.28	0.483	0.184	---	---	1.37	1956
1957	---	---	0	1.48	2.28	0.868	0.017	0.004	0	0	---	---	0.543	1957
1958	---	---	0.788	0.287	0.850	0.021	0.003	0.008	0.010	0.118	---	---	0.256	1958
1959	---	---	0.003	4.17	0.429	0.057	0.033	0.657	0.782	0.187	---	---	0.773	1959
1970	---	---	0.344	3.93	0.918	0.188	0.290	0.083	0.004	0.012	---	---	0.709	1970
1971	---	---	0.014	5.80	1.02	4.18	10.8	0.338	0.123	0.180	---	---	2.80	1971
1972	---	---	0.610	5.73	3.38	2.84	0.484	0.287	0.045	---	---	---	---	1972
1973	---	---	0.240	2.56	1.88	2.88	0.538	0.388	0.413	0.782	---	---	1.20	1973
1974	---	---	0.114	17.3	6.70	0.830	3.02	0.338	0.187	0.121	---	---	3.52	1974
1975	---	---	0.038	2.42	1.80	2.78	0.738	0.185	0.187	0.183	---	---	1.00	1975
1976	---	---	0.527	2.21	0.283	0.178	0.084	0.882	0.538	0.188	---	---	0.580	1976
1977	---	---	0.321	2.71	6.89	1.88	3.47	0.645	1.01	0.278	---	---	2.09	1977
1978	---	---	1.15	1.88	1.48	2.10	2.14	0.403	2.80	0.574	---	---	1.61	1978
1979	---	---	2.08	3.80	4.22	4.03	9.38	0.242	0.034	0.051	---	---	2.48	1979
1980	---	---	0.063R	3.63 R	0.554R	5.86 R	0.880R	0.687R	0.880R	0.308R	---	---	1.82 R	1980
1981	---	---	1.71	1.38	0.881	0.578	0.412	0.150	0.024	0.078	---	---	0.681	1981
1982	---	---	0.010	5.12	2.16	0.370	2.41	0.283	0.383	0.174	---	---	1.38	1982
1983	---	---	0.039	1.38	0.286	0.885	3.21	0.098	0.014	0.057	---	---	0.766	1983
1984	---	---	0.124	0.463	1.18	1.73	0.069	0	0.188	0.338	---	---	0.501	1984
MEAN	---	---	0.410R	3.92 R	2.06 R	1.84 R	1.78 R	0.328R	0.379R	0.198R	---	---	1.34	MEAN

LOCATION - LAT 53 57 51 N DRAINAGE AREA, 288 km²
LONG 115 10 28 W NATURAL FLOW

R - REVISED SINCE JAN 1980

LITTLE PADDLE RIVER NEAR MAYERTHORPE - STATION NO. 07BB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	34.8 A ON APR 18	32.0 A ON APR 18	0 B ON MAR 1 *	29 800	1983
1984	---	8.08 ON MAY 7	0 B ON MAR 1	7 710	1984
1985	---	85.3 ON JUN 28 *	0 ON AUG 24	59 800	1985
1986	---	14.0 B ON APR 1	0.0038 ON MAR 1	28 900	1986
1987	---	5.80 ON APR 25	0 B ON MAR 1	11 500	1987
1988	---	7.14 ON MAY 7	0 ON JUL 1	5 440	1988
1989	---	18.3 ON APR 12	0.0038 ON MAR 1	19 400	1989
1970	---	7.22A ON APR 15	0 ON SEP 28	15 000	1970
1971	84.4 AT 17:00 MST ON JUL 11 *	83.4 ON JUL 11	0 B ON MAR 1	59 300	1971
1972	21.0 AT 17:00 MST ON MAY 19	17.8 ON JUN 28	---	---	1972
1973	18.8 AT 10:00 MST ON JUN 28	14.8 ON JUN 28	0.0318 ON MAR 1	25 300	1973
1974	51.3 B AT 21:00 MST ON APR 17	48.7 ON APR 18	0.048 ON SEP 5	74 500	1974
1975	34.8 AT 07:30 MST ON JUN 29	30.8 ON JUN 29	0.0148 ON APR 5	21 200	1975
1976	---	4.938 ON APR 7	0.0288 ON MAR 1	12 300	1976
1977	51.0 AT 00:30 MST ON MAY 30	37.8 ON MAY 29	0.0598 ON MAR 25	44 300	1977
1978	28.2 AT 03:00 MST ON JUL 12	18.3 ON JUL 12	0.0318 ON MAR 1	31 900	1978
1979	32.4 AT 00:50 MST ON JUN 15	26.3 ON JUL 12	0.0118 ON MAR 3	52 500	1979
1980	46.0 R ON JUN 17	26.7 RA ON JUN 18	0.010RB ON MAR 3	32 200R	1980
1981	7.14 AT 23:30 MST ON MAR 15	5.48B ON MAR 15	0.004 ON AUG 28	13 800	1981
1982	32.5 AT 09:20 MST ON APR 23	31.0 B ON APR 23	0.0038 ON MAR 1	28 700	1982
1983	39.8 AT 14:55 MST ON JUL 9	29.2 ON JUL 9	0.003 ON SEP 20	18 000	1983
1984	21.7 AT 20:55 MST ON JUN 8	18.5 ON JUN 8	0 ON JUL 31	10 800	1984
				28 400R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	1.87	0.842	0.836	0.832	0.385	---	1980
1981	0.778	0.532	2.70	3.34	8.61	1.31	0.778	1.42	0.802	1.55	0.530	0.155	1.72	1981
1982	0.146	0.038	3.48	7.78	5.73	3.48	5.81	2.84	2.00	1.08	1.37	0.870	2.89	1982
1983	0.118	3.03	3.78	5.83	2.32	5.84	5.81	3.05	1.89	0.774	0.291	0.201	2.86	1983
1984	0.210	0.073	0.781	4.86	17.9	12.4	10.6	1.55	1.82	1.80	1.80	0.882	4.55	1984
1985	0.185	0.088	8.00	32.7	4.21	17.0	32.7	10.2	13.1	7.88	3.53	1.94	11.0	1985
1986	1.14	1.00	9.13	8.89	9.38	11.5	18.4	8.85	3.09	3.39	2.44	1.35	6.39	1986
1987	1.23	0.883	1.17	18.1	22.4	21.3	4.58	2.24	1.02	1.41	1.15	0.418	5.17	1987
1988	0.480	1.74	3.74	3.80	2.99	4.86	2.87	3.43	2.21	3.30	1.82	0.888	2.87	1988
1989	0.584	0.418	0.815	26.7	8.31	8.70	24.6	4.21	2.73	2.80	2.30	1.00	7.00	1989
1970	0.508	0.316	3.75	8.19	7.68	25.2	12.5	2.48	1.80	1.98	0.882	0.371	5.47	1970
1971	0.519	0.813	1.48	34.6	5.33	14.0	3.25	0.939	0.804	1.12	0.874	0.198	5.31	1971
1972	0.078	0.048	8.84	8.18	4.88	11.4	8.38	3.80	2.39	2.20	0.883	0.330	4.34	1972
1973	0.344	0.838	8.81	24.0	15.8	10.2	5.49	2.41	2.30	1.89	1.00	0.902	8.10	1973
1974	0.674	0.829	0.784	27.8	31.3	8.59	3.77	2.42	2.11	2.08	1.28	0.581	8.88	1974
1975	0.327	0.188	0.374	11.3	7.67	2.48	1.12	0.958	0.824	0.817	0.278	0.210	2.18	1975
1976	0.316	0.426	0.828	4.79	2.18	1.80	0.804	2.39	0.854	0.831	0.670	0.323	1.29	1976
1977	0.380	0.437	0.671	2.63	8.34	3.34	1.31	1.88	1.91	1.72	0.834	0.157	1.77	1977
1978	0.107	0.081	4.71	12.1	8.38	7.51	3.89	4.07	5.01	2.74	1.74	0.924	4.25	1978
1979	0.325	0.153	10.8	11.3	7.82	4.25	1.85	1.25	0.815	0.895	0.368	0.323	3.32	1979
1980	0.080	0.028	0.180	9.44	3.27	8.44	3.47	2.23	1.68	1.38	1.27	0.787	2.67	1980
1981	0.922	0.320	2.25	2.88	18.5	7.38	9.26	10.2	2.77	2.81	1.83	0.335	4.80	1981
1982	0.026	0.017	0.138	8.88	5.80	8.48	10.7	2.80	2.37	2.88	1.01	0.388	3.48	1982
1983	0.388	0.451	1.87	7.48	8.88	2.53	7.18	0.985	0.757	0.884	0.880	0.234	2.47	1983
1984	0.113	0.481	1.49	2.83	1.58	4.78	0.378	0.258	0.681	0.804	0.530	0.171	1.17	1984
MEAN	0.413	0.840	3.30	11.8	8.78	8.55	7.80	3.04	2.24	1.95	1.18	0.547	4.18	MEAN

LOCATION - LAT 52 01 40 N, LONG 114 08 20 W
DRAINAGE AREA, 2 550 km^2
NATURAL FLOW

LITTLE RED DEER RIVER NEAR THE MOUTH - STATION NO. 05CB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	13.4 AT 17:00 MST ON MAY 4	12.7 ON MAY 5	0.0038 ON DEC 29 *	54 200	1981
1982	---	15.3 ON JUL 9	0.0038 ON JAN 26	91 100	1982
1983	---	15.5 ON JUN 24	0.0118 ON FEB 5	83 800	1983
1984	---	117 ON MAY 7	0.0288 ON FEB 20	144 000	1984
1985	---	79.8 ON JUL 8	0.0888 ON FEB 21	348 000	1985
1986	---	108 ON JUL 4	0.0888 ON FEB 13	201 000	1986
1987	---	87.5 ON JUN 1	0.2848 ON DEC 31	195 000	1987
1988	---	15.6 ON JUN 8	0.2078 ON JAN 8	84 300	1988
1989	---	128 B ON APR 4	0.3098 ON FEB 20	221 000	1989
1990	---	150 ON JUN 17 *	0.2838 ON FEB 14	172 000	1990
1991	---	104 ON APR 15	0.0938 ON DEC 30	185 000	1991
1992	---	74.6 ON JUN 26	0.0288 ON MAR 9	137 000	1992
1993	---	87.5 ON APR 13	0.2558 ON JAN 1	192 000	1993
1994	---	88.8A ON APR 17	0.4258 ON DEC 30	218 000	1994
1995	45.3 AT 12:00 MST ON APR 20	40.2 ON APR 20	0.1788 ON NOV 20	88 600	1995
1996	---	17.4 ON APR 10	0.2838 ON JAN 1	40 700	1996
1997	14.3 AT 00:30 MST ON MAY 31	13.4 ON MAY 31	0.1468 ON NOV 24	88 900	1997
1998	---	38.4B ON MAR 30	0.0888 ON MAR 1	134 000	1998
1999	38.0B AT 14:30 MST ON APR 11	25.0B ON APR 12	0.0908 ON FEB 21	105 000	1999
2000	33.5 AT 07:30 MST ON APR 16	27.6 ON APR 16	0.0208 ON FEB 26	84 500	2000
2001	45.7 AT 24:00 MST ON JUL 31	38.3 ON AUG 1	0.0508 ON DEC 31	152 000	2001
2002	26.5 AT 06:00 MST ON JUL 6	25.2 ON JUL 6	0.0068 ON MAR 14	109 000	2002
2003	56.6 AT 05:57 MST ON APR 25 *	45.0 ON APR 25	0.1008 ON DEC 28	77 800	2003
2004	22.6 AT 16:46 MST ON JUN 10	21.1 ON JUN 10	0.0408 ON SEP 4	38 900	2004
				133 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	---	---	0.510	---	---	---	---	1951
1952	---	---	0.084	---	---	---	---	2.14	1.25	0.880	---	---	---	1952
1953	---	---	0.100	2.02	1.22	---	---	---	---	0.671	---	---	---	1953
1954	---	---	0.089	1.45	6.06	5.64	5.47	0.851	0.688	0.700	---	---	3.01	1954
1955	---	---	0.138	3.58	2.01	9.64	13.8	5.2C	5.27	3.32	---	---	5.37	1955
1956	---	---	1.04	1.20	3.41	5.12	5.75	2.82	1.04	0.714	---	---	2.80	1956
1957	---	---	0.405	0.771	9.28	9.35	1.85	0.858	0.392	0.606	---	---	2.82	1957
1958	---	---	0.573	0.881	1.21	2.38	1.10	1.77	1.17	1.65	---	---	1.34	1958
1959	---	---	0.819	4.40	6.58	7.83	14.0	2.11	1.06	0.942	---	---	4.49	1959
1970	---	---	0.281	1.57	3.57	8.68	3.17	0.739	0.580	0.667	---	---	2.43	1970
1971	---	---	0.187	3.35	1.41	4.47	1.32	0.404	0.440	0.413	---	---	1.47	1971
1972	---	---	0.370	1.35	2.17	8.36	5.01	1.78	1.50	0.882	---	---	2.43	1972
1973	---	---	0.864R	2.81 R	9.20	8.24	2.21	1.04	0.898	0.761	---	---	2.89 R	1973
1974	---	---	0.323	5.78	13.8	4.08	1.78	1.30	1.05	0.866	---	---	3.83	1974
1975	---	---	0.683	0.978	2.85	1.18	0.718	0.581	0.330	0.338	---	---	0.852	1975
1976	---	---	---	2.08	1.49	1.19	0.438	1.85	0.678	0.402	---	---	---	1976
1977	---	---	0.184	1.28	---	---	0.585	1.18	1.18	0.795	---	---	---	1977
1978	---	---	0.869	4.18	4.82	4.08	2.28	1.87	2.70	1.35	---	---	2.73	1978
1979	---	---	1.06	3.18	4.10	1.84	0.913	0.851	0.598	0.493	---	---	1.84	1979
1980	---	---	0.080	3.02	2.38	5.05	1.89	1.20	1.18	0.814	---	---	1.95	1980
1981	---	---	0.481	1.11	9.88	4.46	8.84	8.71	1.80	1.40	---	---	4.06	1981
1982	---	---	0.354	1.58	2.34	3.30	4.62	1.15	1.08	0.940	---	---	1.84	1982
1983	---	---	0.448	3.22	3.02	1.88	5.06	0.803	0.338	0.474	---	---	1.89	1983
1984	---	---	0.373	0.784	0.738	2.43	0.328	0.180	0.353	0.420	0.218	0.135	0.885	1984
MEAN	---	---	0.405R	2.30 R	4.36	4.77	3.79	1.88	1.14	0.884	0.219	0.135	2.85	MEAN

LOCATION - LAT 51 30 41 N, LONG 114 40 18 W
DRAINAGE AREA, 449 km^2
NATURAL FLOW
R - REVISED SINCE JAN 1980

LITTLE RED DEER RIVER NEAR WATER VALLEY - STATION NO. 05CB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	---	---	---	---	1982
1983	---	---	---	---	1983
1984	---	43.0 ON MAY 7	0.0208 ON MAR 1 *	83 700	1984
1985	---	43.6 ON JUL 22	0.1138 ON MAR 1	114 000	1985
1986	28.0 AT 18:00 MST ON JUL 3	23.6 ON JUL 3	0.2268 ON OCT 31	65 100	1986
1987	73.1 AT 05:00 MST ON MAY 31	56.6 ON MAY 31	0.3378 ON MAR 1	61 600	1987
1988	8.58 AT 15:45 MST ON JUN 8	7.05 ON JUN 8	0.1338 ON MAR 1	28 400	1988
1989	85.5 AT 18:00 MST ON JUN 28 *	64.3 ON JUN 28 *	0.2218 ON MAR 1	85 000	1989
1970	70.5 AT 18:36 MST ON JUN 18	52.4 ON JUN 18	0.1988 ON MAR 1	81 500	1970
1971	21.4 AT 01:00 MST ON JUN 7	17.0 ON JUN 7	0.1428 ON MAR 6	31 200	1971
1972	60.1 AT 17:00 MST ON JUN 25	39.9 ON JUN 25	0.0678 ON MAR 1	61 600	1972
1973	44.6 AT 23:45 MST ON MAY 28	35.4 ON MAY 27	0.2698R ON MAR 12	63 300R	1973
1974	34.5 AT 01:40 MST ON MAY 1	24.2 ON MAY 1	0.2758 ON MAR 18	78 800	1974
1975	11.1 AT 04:30 MST ON MAY 8	8.28 ON MAY 8	0.0348 ON MAR 1	18 000	1975
1976	8.83 AT 02:30 MST ON AUG 10	7.74 ON AUG 10	---	---	1976
1977	10.6 A AT 22:00 MST ON MAY 17	8.54A ON MAY 18	---	---	1977
1978	28.0 AT 24:00 MST ON APR 28	18.0 ON APR 28	0.1508 ON MAR 1	57 800	1978
1979	13.6 B AT 18:00 MST ON APR 26	8.488 ON APR 6	0.0608 ON MAR 8	34 700	1979
1980	14.4 AT 05:00 MST ON JUN 5	13.3 ON JUN 5	0.0628 ON MAR 1	41 300	1980
1981	40.2 AT 21:30 MST ON JUL 30	25.1 ON JUL 30	0.0828 ON MAR 7	88 400	1981
1982	10.1 AT 07:21 MST ON JUL 5	9.50 ON JUL 5	0.1758 ON MAR 3	39 000	1982
1983	48.8 AT 06:11 MST ON APR 25	27.4 ON APR 25	0.2258 ON MAR 8	40 100	1983
1984	13.2 AT 07:03 MST ON JUN 9	11.8 ON JUN 9	0.099 ON AUG 23	14 700	1984
				63 800R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	8.60	4.84	2.41	3.14	---	---	---	1967
1968	---	---	3.24	7.07	41.6	37.2	16.8	36.1	13.3	7.78	---	---	20.4	1968
1969	---	---	2.31	31.8	25.8	7.53	8.98	18.7	13.8	11.0	---	---	14.7	1969
1970	---	---	2.76	18.0	47.7	13.6	7.82	5.69	2.37	3.11	---	---	12.8	1970
1971	---	---	1.63	39.0	26.7	74.6	117	16.8	11.6	17.3	---	---	37.1	1971
1972	---	---	4.83	28.7	70.3	60.3	26.6	24.4	10.8	26.7	---	---	31.8	1972
1973	---	---	3.56	26.2	76.2	20.6	14.6	18.9	8.84	18.6	---	---	25.3	1973
1974	---	---	3.28	50.6	114	14.7	10.8	6.30	5.62	4.86	---	---	26.1	1974
1975	---	---	2.22	10.3	35.6	14.7	21.7	6.70	4.36	3.31	---	---	12.3	1975
1976	---	---	2.08	32.1	26.1	16.7	16.2	58.4	29.4	8.13	---	---	24.0	1976
1977	---	---	3.53	26.0	80.8	61.3	86.4	35.6	27.7	20.8	---	---	40.8	1977
1978	---	---	4.17	12.3	39.5	62.6	27.6	16.3	44.8	12.8	---	---	27.3	1978
1979	---	---	4.43	10.8	71.2	59.7	52.6	10.9	8.46	5.88	---	---	27.8	1979
1980	---	---	2.52	26.1	26.4	97.7	46.7	15.8	24.8	10.7	---	---	31.3	1980
1981	---	---	6.46	19.2	41.7	46.9	16.2	12.3	4.43	4.00	---	---	18.7	1981
1982	---	---	3.24	4.30	98.4	28.3	111	56.4	22.4	13.4	---	---	42.4	1982
1983	---	---	3.24	10.8	16.4	34.4	89.5	21.7	12.7	8.18	---	---	24.7	1983
1984	---	---	4.11	23.4	88.0	35.8	11.2	8.48	80.9	22.0	---	---	28.7	1984
MEAN	---	---	3.33	21.7	54.4	40.5	37.2	20.4	17.0	11.2	---	---	28.2	MEAN

LOCATION - LAT 54 44 24 N
LONG 117 10 46 W
DRAINAGE AREA, 3 010 km^2
NATURAL FLOW

LITTLE SMOKY RIVER AT LITTLE SMOKY - STATION NO. 07GG003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	108 AT 20:00 MST ON JUN 14	93.4 ON JUN 15	2.106 ON MAR 1	432 000	1968
1969	---	88.9 ON APR 19	1.848 ON MAR 1	310 000	1969
1970	---	78.3 ON MAY 13	1.42 ON SEP 3	388 000	1970
1971	337 AT 05:00 MST ON JUL 13	333 ON JUL 13	1.958 ON MAR 15 *	784 000	1971
1972	283 AT 11:30 MST ON JUN 28	233 ON JUN 28	2.448 ON MAR 1	573 000	1972
1973	188 AT 07:00 MST ON MAY 28	158 ON MAY 28	3.898 ON MAR 17	538 000	1973
1974	227 AT 11:00 MST ON MAY 12	222 ON MAY 12	3.118 ON MAR 7	554 000	1974
1975	83.3 AT 02:00 MST ON JUL 1	78.8 ON JUL 1	1.858 ON MAR 3	280 000	1975
1976	143 AT 00:30 MST ON AUG 19	133 ON AUG 19	1.848 ON MAR 19	504 000	1976
1977	218 AT 07:00 MST ON MAY 7	218 ON MAY 7	2.008 ON MAR 22	459 000	1977
1978	272 AT 05:30 MST ON JUN 18	254 ON JUN 16	2.848 ON MAR 1	578 000	1978
1979	188 AT 14:00 MST ON JUL 13	180 ON JUL 13	3.888 ON MAR 1	588 000	1979
1980	250 AT 06:30 MST ON JUN 6	248 ON JUN 6	2.288 ON MAR 25	683 000	1980
1981	138 AT 07:00 MST ON JUN 3	134 ON JUN 3	3.22 ON OCT 7	397 000	1981
1982	445 E AT 21:00 MST ON JUL 18 *	388 ON JUL 17 *	2.888 ON MAR 5	698 000	1982
1983	195 AT 08:30 MST ON JUL 27	183 ON JUL 27	2.858 ON MAR 3	623 000	1983
1984	180 AT 19:00 MST ON MAY 17	170 ON MAY 18	3.408 ON MAR 15	606 000	1984
				555 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	---	---	---	16.8	16.8	8.33	---	1959
1960	3.85	3.44	6.23	51.1	120	184	85.6	17.8	8.50	6.57	5.23	2.82	37.9	1960
1961	2.99	2.19	3.75	13.4	48.2	30.1	120	19.1	4.85	13.8	16.4	5.20	23.4	1961
1962	2.75	1.86	5.76	217	382	75.8	89.8	39.4	53.6	18.5	12.5	7.48	64.2	1962
1963	7.83	5.99	8.44	310	217	80.4	17.6	13.7	10.3	10.1	1.82	1.30	64.5	1963
1964	2.24	3.34	5.16	34.7	---	---	---	334	114	86.0	16.8	11.3	---	1964
1965	7.47	6.17	6.86	226	238	180	229	116	110	42.3	16.4	10.6	87.0	1965
1966	4.12	5.29	5.37	118	239	78.9	49.3	100	77.8	17.9	11.6	8.28	59.9	1966
1967	4.80	4.78	5.48	80.3	177	86.9	18.6	10.7	5.28	6.40	3.65	1.68	33.2	1967
1968	2.08	3.36	6.32	21.6	82.3	110	38.0	80.5	21.8	13.6	7.21	5.34	30.0	1968
1969	2.76	1.82	2.84	108	73.7	17.9	13.6	18.1	32.1	21.3	12.4	7.76	28.2	1969
1970	4.68	4.35	5.05	108	130	47.9	24.6	18.8	8.77	7.85	3.43	3.08	30.8	1970
1971	3.69	3.35	4.48	117	79.6	210	347	47.1	20.2	28.7	12.7	12.3	74.6	1971
1972	6.36	5.43	11.6	119	226	126	82.3	86.6	21.7	34.0	28.6	14.2	61.1	1972
1973	8.10	7.04	7.76	126	194	125	48.7	47.1	24.1	40.6	18.1	11.1	64.8	1973
1974	6.68	7.53	7.41	289	355	53.3	38.0	10.9	12.5	8.37	4.83	4.63	67.0	1974
1975	4.70	4.74	4.73	38.8	88.0	53.8	71.6	18.4	23.4	11.0	12.4	8.10	28.4	1975
1976	5.18	5.31	4.82	177	82.8	178	108	176	80.3	21.3	16.0	6.31	73.7	1976
1977	7.20	6.82	6.12	137	246	173	143	86.6	50.4	50.5	12.4	7.44	76.6	1977
1978	6.07	4.85	6.02	84.3	114	198	61.6	32.8	113	49.2	17.5	11.8	60.0	1978
1979	5.18	4.48	6.87	86.2	269	228	208	36.8	14.6	11.0	3.75	3.69	72.3	1979
1980	4.41	3.46	3.79	82.1	86.4	132	111	38.0	80.6	36.4	18.8	9.51	49.6	1980
1981	7.84	6.47	10.7	77.5	82.4	91.7	27.6	26.0	5.70	6.84	5.71	1.68	28.8	1981
1982	1.38	1.79	3.26	13.6	187	49.8	164	181	42.7	22.0	9.62	6.83	65.8	1982
1983	4.48	4.70	5.26	19.7	36.5	133	283	90.5	36.8	21.4	19.7	9.47	58.5	1983
1984	6.80	6.75	9.10	48.7	200	126	33.6	13.2	91.1	41.8	20.3	10.7	60.7	1984
MEAN	5.03	4.68	6.30	105	159	116	99.2	62.5	42.1	24.7	13.4	7.28	62.7	MEAN

LOCATION - LAT 55 27 25 N LONG 117 09 40 W
DRAINAGE AREA, 11 100 km²
NATURAL FLOW

LITTLE SMOKY RIVER NEAR GUY - STATION NO. 07GH003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---	---	---	1958
1960	399 AT 06:00 MST ON JUN 24	391 ON JUN 24	2.10 B ON DEC 21	1 200 000	1960
1961	848 AT 18:00 MST ON JUL 3	843 ON JUL 3	1.02 B ON FEB 11	739 000	1961
1962	---	547 ON MAY 22	0.8518 ON FEB 13 *	2 030 000	1962
1963	---	7828 ON APR 20	0.8808 ON NOV 4	1 720 000	1963
1964	---	---	1.08 B ON JAN 2	---	1964
1965	1 080A AT 09:00 MST ON APR 28	1 040A ON APR 28 *	4.42 ON JAN 28	3 080 000	1965
1966	691 AT 18:00 MST ON AUG 30	640 ON AUG 30	3.62 B ON JAN 6	1 890 000	1966
1967	334 AT 23:00 MST ON APR 28	286 ON MAY 9	1.26 B ON DEC 22	1 080 000	1967
1968	367 AT 07:10 MST ON JUN 15	354 ON JUN 15	1.42 B ON JAN 6	950 000	1968
1969	---	2228 ON APR 18	1.44 B ON FEB 12	825 000	1969
1970	---	210 ON APR 24	1.07 B ON NOV 27	971 000	1970
1971	971 AT 18:00 MST ON JUL 5	934 ON JUL 5	2.76 B ON FEB 10	2 380 000	1971
1972	---	504 ON APR 30	4.76 B ON MAR 2	1 830 000	1972
1973	418 AT 20:00 MST ON APR 29	389 ON APR 30	6.80 B ON FEB 7	1 730 000	1973
1974	928 AT 23:00 MST ON APR 24	892 ON APR 24	3.77 B ON NOV 13	2 110 000	1974
1975	611A AT 05:00 MST ON JUN 30	378A ON JUN 30	3.91 B ON MAR 19	888 000	1975
1976	748 AT 08:00 MST ON JUN 29	714 ON JUN 29	3.88 B ON MAR 17	2 330 000	1976
1977	817E AT 11:00 MST ON MAY 31	808E ON MAY 31	5.38 B ON NOV 22	2 410 000	1977
1978	923A AT 23:00 MST ON JUN 18	835A ON JUN 17	4.06 B ON FEB 21	1 770 000	1978
1979	825 AT 01:00 MST ON JUN 18	729 ON JUN 18	1.46 B ON DEC 1	2 280 000	1979
1980	863E AT 20:00 MST ON JUN 6	845A ON JUN 7	3.28 B ON MAR 4	1 870 000	1980
1981	248 AT 09:00 MST ON JUN 3	238 ON JUN 3	1.28 B ON DEC 31	844 000	1981
1982	705 AT 21:30 MST ON AUG 4	663 ON AUG 5	1.22 B ON JAN 15	1 780 000	1982
1983	1 110 AT 15:00 MST ON JUL 28 *	1 030 ON JUL 28	4.28 B ON JAN 23	1 780 000	1983
1984	861 AT 15:30 MST ON MAY 18	684 ON MAY 19	5.76 B ON JAN 10	1 800 000	1984
				1 880 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LITTLE SMOKY RIVER NEAR TRIANGLE - STATION NO. 07GH001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	---	---	---	---	---	---	---	13.3	---	---	---	1953
1954	---	---	6.90	78.2	303	383	86.1	69.9	82.1	38.7	---	---	---	1954
MEAN	---	---	6.90	78.2	303	383	86.1	69.9	82.1	21.0	---	---	---	MEAN

LOCATION - LAT 58 22 40 N LONG 118 55 40 W
DRAINAGE AREA, 10 800 km²
NATURAL FLOW

LITTLE SMOKY RIVER NEAR TRIANGLE - STATION NO. 07GH001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	---	---	---	1953
1954	---	1 000 ON JUN 6 *	---	---	1954
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	0.085	7.08	2.89	4.93	3.10	0.223	0.118	0.032	---	---	2.29	1965
1966	---	---	0.233	1.98	0.420	0.315	0.344	0.528	0.191	0.157	---	---	0.518	1966
1967	---	---	0	1.03	0.801	0.785	0.234	0.038	0	0	---	---	0.332	1967
1968	---	---	0.724	0.288	0.096	0.052	0.237	0.351	0.128	0.184	---	---	0.257	1968
1969	---	---	0	2.38	0.424	0.060	0.496	0.288	0.335	0.265	---	---	0.511	1969
1970	---	---	0.027	2.38	0.448	0.582	0.805	0.289	0.087	0.158	---	---	0.597	1970
1971	---	---	0.054	3.08	0.881	1.10	1.33	0.120	0.088	0.184	---	---	0.917	1971
1972	---	---	0.125	1.82	0.880	0.572	0.375	0.202	0.103	0.145	---	---	0.496	1972
1973	---	---	0.184	3.21	1.05	1.14	2.44	1.92	0.408	0.388	---	---	1.22	1973
1974	---	---	0.142	5.25	2.59	1.43	1.89	0.189	0.105	0.312	---	---	1.45	1974
1975	---	---	0.078	1.80	1.30	0.375	0.237	0.077	0.078	0.082	---	---	0.510	1975
1976	---	---	0.089	1.20	0.139	0.178	0.050	0.332	0.071	0.148	---	---	0.273	1976
1977	---	---	0.088	0.874	2.02	0.481	0.013	0.188	0.141	0.058	---	---	0.450	1977
1978	---	---	0.414	0.770	0.508	0.782	0.437	0.208	0.784	0.521	---	---	0.562	1978
1979	---	---	0.058	1.05	0.823	0.430	0.335	0.111	0.034	0.025	---	---	0.432	1979
1980	---	---	0.082	1.83	0.354	2.68	1.79	1.05	1.43	0.538	---	---	1.21	1980
1981	---	---	0.818	0.475	1.07	0.748	2.88	3.02	0.184	0.083	---	---	1.18	1981
1982	---	---	0.020	4.03	1.35	0.575	8.20	0.582	0.818	0.615	---	---	2.07	1982
1983	---	---	0.480	2.89	0.765	0.351	1.31	0.034	0.089	0.200	---	---	0.772	1983
1984	---	---	0.483	0.577	0.828	0.754	0.031	0.043	0.508	0.295	---	---	0.480	1984
MEAN	---	---	0.241	2.38	0.868	0.918	1.33	0.492	0.283	0.228	---	---	0.845	MEAN

LOCATION - LAT 52 44 20 N DRAINAGE AREA, 241 km^2
LONG 114 08 50 W NATURAL FLOW

LLOYD CREEK NEAR BLUFFTON - STATION NO. 05CC008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	27.4 ON JUN 30	0.003 ON OCT 9	48 500	1965
1966	---	13.6 B ON APR 1	0.008B ON MAR 4	11 000	1966
1967	---	3.82 B ON APR 25	0 B ON MAR 1 *	7 030	1967
1968	---	0.847B ON MAR 7	0 ON JUN 15	5 440	1968
1969	---	10.4 ON APR 9	0 B ON MAR 1	10 800	1969
1970	---	8.23 B ON APR 12	0 B ON MAR 1	12 800	1970
1971	---	14.2 ON APR 23	0.001E ON SEP 7	19 400	1971
1972	---	7.48 B ON APR 6	0 ON AUG 28	10 500	1972
1973	17.4 AT 11:00 MST ON JUL 3	16.1 ON JUL 3	0.028B ON MAR 1	25 800	1973
1974	---	25.5 ON APR 23	0.020 ON SEP 4	39 100	1974
1975	---	9.23 B ON APR 21	0.020 ON SEP 21	10 800	1975
1976	---	5.24 B ON APR 10	0 ON JUL 12	5 770	1976
1977	---	6.68 ON MAY 31	0 ON JUN 21	9 630	1977
1978	---	5.10 ON JUN 2	0.018 ON AUG 18	11 700	1978
1979	---	4.54 ON APR 21	0 ON AUG 28	9 150	1979
1980	---	9.14 ON JUL 1	0.040 ON MAY 13	25 800	1980
1981	28.2 AT 21:30 MST ON JUL 31	26.7 ON JUL 31	0.082 ON OCT 7	24 800	1981
1982	37.4 AT 22:34 MST ON JUL 5 *	36.3 ON JUL 6 *	0 B ON MAR 1	43 800	1982
1983	---	7.56 B ON APR 2	0.005 ON SEP 1	18 400	1983
1984	3.48 AT 08:43 MST ON APR 1	2.97 ON JUN 10	0 ON AUG 28	9 740	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		17 900	MEAN

LOBSTICK RIVER NEAR ENTWISTLE - STATION NO. 07BB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	9.32	7.38	5.73	---	---	---	1913
1914	---	---	---	---	---	---	---	---	---	3.00	2.38	1.75	---	1914
1915	1.78	0.817	0.781	4.08	1.91	10.1	8.43	4.81	3.24	2.75	4.35	0.930	3.73	1915
1916	0.325	0.121	0.149	3.88	5.58	2.42	15.1	3.08	5.32	4.38	3.35	1.75	3.95	1916
1917	1.26	0.852	1.05	8.33	25.8	26.4	8.75	4.70	3.48	3.15	2.38	0.882	7.18	1917
1918	0.883	0.781	0.918	3.04	3.95	5.80	4.28	2.47	2.18	2.31	1.82	1.11	2.44	1918
1919	0.893	0.243	0.078	5.74	5.11	3.26	0.953	0.458	0.959	1.05	0.874	0.283	1.84	1919
1920	0.247	0.003	0.043	1.04	37.0	19.5	7.17	4.22	3.78	4.15	2.02	1.58	6.78	1920
1921	1.58	1.58	1.18	2.78	13.0	8.13	4.88	4.48	3.31	3.38	1.83	0.749	3.73	1921
1922	0.317	0.083	0.034	1.52	5.82	3.18	1.77	0.700	0.467	0.384	0.215	0.037	1.19	1922
1923	0	0	---	---	---	---	---	---	---	---	---	---	---	1923
MEAN	0.808	0.474	0.528	3.78	12.1	9.73	6.64	3.81	3.34	2.92	2.08	1.01	3.83	MEAN

LOCATION - LAT 53 36 38 N DRAINAGE AREA, 1 650 km^2
LONG 115 00 38 W NATURAL FLOW

LOBSTICK RIVER NEAR ENTWISTLE - STATION NO. 07BB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	20.5 ON JUN 9	0.2278 ON MAR 5	118 000	1915
1916	---	32.0 ON JUL 8	0.0288 ON FEB 9	126 000	1916
1917	---	56.9 ON MAY 18	0.4258 ON DEC 24	226 000	1917
1918	---	10.6 ON MAY 30	0.3668 ON MAR 5	76 800	1918
1919	---	8.018 ON APR 13	0.0248 ON MAR 1	81 700	1919
1920	---	78.2 ON MAY 7 *	0 B ON JAN 28 *	214 000	1920
1921	---	24.7 ON MAY 14	0.2838 ON DEC 19	116 000	1921
1922	---	8.33 ON MAY 11	0 B ON MAR 18	37 000	1922
1923	---	---	0 B ON JAN 4	---	1923
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		121 000	MEAN

LOBSTICK RIVER NEAR STYAL - STATION NO. 07BB003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1955	---	2.05	1.08	2.83	8.84	7.44	4.75	3.87	2.18	1.88	0.478	0.005	---	1955
1956	0	0	0	8.40	10.3	8.87	4.18	4.75	3.48	2.36	1.77	2.41	3.88	1956
1957	2.55	0.951	1.08	4.25	3.81	1.83	0.939	1.36	1.88	3.48	3.81	4.84	2.83	1957
1958	3.82	3.80	2.00	8.21	8.07	2.83	3.27	1.88	1.38	1.77	1.07	0.975	3.02	1958
1959	0.408	0.011	0.077	1.44	2.08	0.803	0.881	0.593	0.805	1.22	0.958	1.35	0.895	1959
1960	0.711	0.088	1.82	2.89	5.08	4.18	5.81	2.00	1.84	1.82	1.08	1.77	2.40	1960
1961	2.04	1.81	2.03	1.87	1.81	0.471	0.847	0.271	0.183	0.209	0.202	0.017	0.848	1961
1962	0	0	0	7.83	14.8	7.98	3.08	3.33	2.80	2.81	2.88	1.78	3.84	1962
1963	0.821	1.85	2.21	13.8	15.0	8.36	2.88	1.83	1.31	1.33	1.81	0.806	4.07	1963
1964	1.18	1.17	2.03	2.11	4.44	1.88	2.14	2.22	3.45	4.38	3.88	1.84	2.83	1964
1965	1.07	2.13	1.88	8.23	22.4	27.8	38.2	21.5	13.8	7.84	4.88	4.12	12.8	1965
1966	2.47	2.34	3.08	11.8	10.8	3.12	8.08	8.78	8.18	4.84	1.31	2.45	5.83	1966
1967	1.81	1.87	2.27	11.4	8.58	4.11	1.55	0.711	0.321	0.402	0.383	0.145	2.84	1967
1968	0	0.008	0.244	0.843	2.81	1.34	0.825	1.01	1.18	1.15	0.884	0.585	0.814	1968
1969	0.182	0.052	0.037	8.72	7.37	3.18	1.08	2.88	8.27	8.30	4.88	4.78	3.48	1969
1970	3.08	2.88	2.37	5.72	4.73	1.85	1.10	0.874	0.484	0.484	0.485	0.271	1.88	1970
1971	0.182	0.104	0.100	8.30	8.24	8.13	30.5	17.4	10.2	8.88	5.88	3.15	8.86	1971
1972	2.88	2.18	2.34	7.83	10.7	15.1	15.5	7.78	4.32	3.83	2.88	2.43	6.47	1972
1973	1.63	1.84	1.85	4.88	8.08	5.88	4.05	4.02	3.00	2.80	2.27	2.44	3.53	1973
1974	1.10	1.28	1.88	32.9	30.7	18.1	18.0	8.36	5.41	3.81	2.71	2.45	8.88	1974
1975	1.84	1.40	1.17	3.81	8.38	5.31	7.00	3.84	3.21	2.18	1.80	2.17	3.35	1975
1976	1.88	1.41	2.52	8.28	2.70	1.73	1.43	1.42	1.80	1.73	1.47	1.88	2.18	1976
1977	1.81	2.10	1.17	4.80	14.8	14.7	8.38	7.40	8.88	8.82	8.70	3.80	8.87	1977
1978	1.88	1.75	2.85	4.80	8.80	8.10	8.71	3.81	7.23	5.85	4.48	3.85	4.88	1978
1979	2.82	1.88	4.17	8.02	10.0	8.83	13.1	7.15	4.74	4.05	2.85	2.87	8.78	1979
1980	1.82	1.88	1.44	7.84	8.82	22.8	18.8	13.4	10.4	8.38	8.84	4.77	8.80	1980
1981	1.88	1.28	2.21	4.31	8.28	11.7	8.85	3.85	1.78	1.82	1.47	1.74	3.88	1981
1982	0.851	0.841	1.03	8.88	8.88	4.71	18.2	8.85	7.23	5.77	3.03	1.73	8.08	1982
1983	2.87	1.78	1.18	8.88	2.87	2.38	10.8	4.84	3.43	3.41	3.81	2.81	3.81	1983
1984	2.43	2.28	2.83	2.80	8.84	8.23	2.13	0.825	1.88	2.87	3.48	2.88	2.88	1984
MEAN	1.88	1.41	1.80	8.83	8.48	7.11	7.87	8.04	4.08	3.48	2.83	2.21	4.38	MEAN

LOCATION - LAT 83 38 45 N
LONG 115 08 20 W

DRAINAGE AREA, 1 870 km^2
NATURAL FLOW

LOBSTICK RIVER NEAR STYAL - STATION NO. 07EB003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1955	13.6 AT 16:40 MST ON MAY 2	13.5 ON MAY 2	0 B ON DEC 5 *	---	1955
1956	16.6 B AT 16:20 MST ON APR 16	16.7 B ON APR 16	0 B ON JAN 1	122 000	1956
1957	---	10.8 B ON NOV 23	0.0578 ON MAR 8	79 800	1957
1958	---	14.4 B ON APR 14	0.3118 ON NOV 5	85 400	1958
1959	---	4.26 ON MAY 11	0 B ON FEB 13	28 200	1959
1960	12.3 AT 09:30 MST ON JUL 4	12.1 ON JUL 4	0 B ON MAR 17	75 800	1960
1961	---	4.81 ON JUL 3	0 B ON DEC 10	29 800	1961
1962	---	19.4 ON MAY 8	0 B ON JAN 1	124 000	1962
1963	---	23.8 B ON APR 19	0.1788 ON JAN 10	128 000	1963
1964	---	15.8 ON MAY 7	0.0548 ON MAR 28	79 900	1964
1965	---	85.7 ON JUN 28 *	0.8898 ON APR 8	403 000	1965
1966	---	17.8 B ON APR 4	0.875 ON NOV 4	174 000	1966
1967	---	18.7 B ON APR 17	0.0288 ON DEC 14	80 100	1967
1968	8.54 AT 03:13 MST ON MAY 10	8.54 ON MAY 8	0 B ON JAN 1	28 800	1968
1969	---	14.6 ON SEP 8	0 B ON FEB 20	110 000	1969
1970	8.81 AT 07:25 MST ON MAY 18	7.14 ON MAY 18	0.2128 ON DEC 24	82 800	1970
1971	58.6 AT 09:00 MST ON JUL 12	57.6 ON JUL 12	0.0578 ON JAN 28	270 000	1971
1972	30.8 AT 09:00 MST ON JUN 25	29.7 ON JUN 25	1.70 B ON DEC 31	205 000	1972
1973	10.1 AT 23:30 MST ON MAY 9	9.83 ON MAY 8	1.13 B ON NOV 2	111 000	1973
1974	67.5 B AT 23:30 MST ON APR 18 *	72.8 ON APR 18	0.8898 ON JAN 20	302 000	1974
1975	30.0 AT 21:00 MST ON JUN 28	23.1 ON JUN 28	0.1428 ON APR 1	108 000	1975
1976	20.2 B AT 18:00 MST ON APR 7	18.2 B ON APR 7	0.5648 ON MAR 5	88 300	1976
1977	81.2 AT 09:15 MST ON MAY 29	57.2 ON MAY 29	0.7148 ON MAR 20	220 000	1977
1978	42.5 AT 19:50 MST ON JUL 11	25.7 ON JUL 11	0.8018 ON JAN 8	144 000	1978
1979	26.6 AT 15:50 MST ON JUL 2	21.0 ON JUL 3	1.55 B ON FEB 12	181 000	1979
1980	38.9 AT 11:00 MST ON JUN 5	38.7 ON JUN 5	0.8008 ON MAR 3	259 000	1980
1981	22.4 AT 13:55 MST ON JUN 2	21.8 ON JUN 2	0.7708 ON FEB 10	116 000	1981
1982	56.6 AT 03:00 MST ON JUL 5	51.3 ON JUL 5	0.6218 ON JAN 12	181 000	1982
1983	26.4 AT 10:10 MST ON JUL 9	24.4 ON JUL 9	0.7008 ON MAR 20	120 000	1983
1984	10.3 AT 22:05 MST ON JUN 1	9.20 ON JUN 9	0.301 ON SEP 2	93 700	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		139 000	MEAN

LODGE CREEK AT HARTY'S RANCH - STATION NO. 11AB007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.258	0.383	0.171	0	0.218	0.059	---	---	---	1911
1912	---	---	---	---	0.891	0.086	0	0	0	0	---	---	---	1912
1913	---	---	---	2.47	0.341	0.025	0.007	0	0	0	---	---	0.400	1913
1914	---	---	---	1.14	0.081	0.024	0	0	0	0.035	---	---	0.180	1914
1915	---	---	---	1.15	0.078	---	---	---	---	---	---	---	---	1915
MEAN	---	---	---	1.59	0.289	0.120	0.045	0	0.055	0.034	---	---	0.290	MEAN

LOCATION - LAT 49 27 30 N
LONG 110 20 00 W
DRAINAGE AREA, 183 km^2
REGULATED

LODGE CREEK AT HARTY'S RANCH - STATION NO. 11AB007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	0 ON JUN 7 *	---	1911
1912	---	---	0 ON JUL 5	---	1912
1913	---	6.66 ON APR 12 *	0 ON JUN 15	7 380	1913
1914	---	3.96 ON APR 5	0 ON MAY 27	3 330	1914
1915	---	---	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 380	MEAN

LODGE CREEK AT NESTER'S RANCH - STATION NO. 11AB023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	---	0	0	---	---	---	1912
1913	---	---	---	---	0.403	0.033	0.082	0	0	0	---	---	---	1913
1914	---	---	---	1.75	0.124	0.032	0.001	0	0	0.108	---	---	---	1914
MEAN	---	---	---	1.75	0.264	0.033	0.032	0	0	0.036	---	---	---	MEAN

LOCATION - LAT 49 14 30 N
LONG 110 01 00 W
DRAINAGE AREA, 586 km^2
REGULATED

LODGE CREEK AT HESTER'S RANCH - STATION NO. 11AB023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	
1913	---	---	---	---	1912
1914	---	---	0 ON JUL 20 *	---	1913
			0 ON MAR 23	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LODGE CREEK AT HIGHWAY NO. 41 - STATION NO. 11AB902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.911	1.40	0.084	0.007	0.004	0.013	---	---	0.358	1982
1983	---	---	---	0.181	0.798	0.018	0.329	0.002	0	0.007	---	---	0.195	1983
1984	---	---	---	0.247	0.015	0.005	0	0	0	0	---	---	0.003	1984
MEAN	---	---	---	0.214	0.575	0.478	0.131	0.003	0.001	0.007	---	---	0.186	MEAN

LOCATION - LAT 49 25 10 N, LONG 110 15 20 W
DRAINAGE AREA, 300 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

LODGE CREEK AT HIGHWAY NO. 41 - STATION NO. 11AB902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	10.1 ON JUN 1 *	0 ON AUG 23 *	8 280	1982
1983	17.0 AT 18:50 MST ON JUL 20 *	4.33 ON JUL 30	0 ON AUG 15	3 080	1983
1984	---	0.023 ON MAY 3	0 ON JUN 26	52.8	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 140	MEAN

LOGAN RIVER NEAR THE MOUTH - STATION NO. 07CA012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.425	1.56	2.18	3.81	2.65	0.875	1.47	1.48	---	---	---	1984
MEAN	---	---	0.425	1.56	2.18	3.81	2.65	0.875	1.47	1.48	---	---	---	MEAN

LOCATION - LAT 55 10 44 N, LONG 111 43 42 W
DRAINAGE AREA, 425 km^2
NATURAL FLOW

LOGAN RIVER NEAR THE MOUTH - STATION NO. 07CA012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	7.84 ON JUN 7 *	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	0.113	0.473	0.878	0.933	0.543	0.858	---	---	0.585	1959
1960	---	---	---	---	0.060	1.11	2.48	0.767	0.821	0.844	---	---	0.984	1960
1961	---	---	---	0.048	0.834	3.46	2.67	0.871	1.38	1.40	---	---	1.73	1961
1962	---	---	---	---	0.801	2.46	3.75	0.975	0.619	1.84	---	---	1.74	1962
1963	---	---	---	---	1.59	3.41	1.18	1.14	0.659	1.38	---	---	1.56	1963
1964	---	---	---	---	0.403	3.27	4.26	2.26	1.06	1.85	---	---	2.20	1964
1965	---	---	---	---	0.072	1.38	0.970	1.47	0.388	0.835	---	---	0.812	1965
1966	---	---	---	---	0.222	1.24	1.19	1.06	0.646	0.986	---	---	0.866	1966
1967	---	---	---	---	0	0.723	3.10	2.09	1.24	2.18	---	---	1.58	1967
1968	---	---	---	---	1.18	2.08	2.82	1.42	0.859	0.747	---	---	1.53	1968
1969	---	---	---	---	0.781	3.14	0.878	1.61	1.12	1.72	---	---	1.54	1969
1970	---	---	---	---	0.715	2.48	1.23	1.78	0.749	1.14	---	---	1.34	1970
1971	---	---	---	---	0.482	2.78	3.11	2.19	1.42	1.27	---	---	1.87	1971
1972	---	---	---	---	0.486	3.53	2.80	2.08	0.880	0.878	---	---	1.75	1972
1973	---	---	---	---	1.50	2.89	3.85	2.50	1.48	1.87	---	---	2.33	1973
1974	---	---	---	---	0.118	3.92	5.09	3.53	1.89	1.81	---	---	2.73	1974
1975	---	---	---	---	0	0.751	4.14	3.17	1.61	1.27	---	---	1.81	1975
1976	---	---	---	---	1.87	5.11	5.10	2.30	1.89	2.44	---	---	3.28	1976
1977	---	---	---	---	2.14	7.60	7.24	2.85	1.05	0.828	---	---	3.58	1977
1978	---	---	---	---	0.021	3.68	5.21	3.45	1.04	1.85	---	---	3.08	1978
1979	---	---	---	---	0.488	5.18	5.09	3.44	2.78	2.48	---	---	4.07	1979
1980	---	---	---	---	3.22	5.80	10.5	4.80	2.73	2.10	---	---	4.88	1980
1981	---	---	---	---	1.56	5.71	5.57	4.31	4.80	3.27	---	---	5.04	1981
1982	---	---	---	0	0.785	5.81	5.58	5.56	3.28	1.18	---	---	4.49	1982
1983	---	---	---	0	1.45	11.1	5.84	4.48	4.85	0.824	---	---	5.32	1983
1984	---	---	---	0	2.53	5.91	13.3	4.82	0.734	0.131	---	---	5.06	1984
MEAN	---	---	---	0.012	0.898	3.90	4.88	2.52	1.85	1.44	---	---	2.63	MEAN

LOCATION - LAT 50 12 50 N
LONG 112 38 40 W REGULATED

LOMOND LATERAL NEAR HEADGATE - STATION NO. 05AC017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	---	1.23 ON AUG 7	0 ON MAY 1 *	9 310	1959
1960	---	3.85 ON JUL 18	0 ON MAY 1	15 700	1960
1961	---	5.81 ON JUN 24	0 ON OCT 21	27 400	1961
1962	---	4.84 ON JUL 8	0 ON MAY 1	27 700	1962
1963	---	4.88 ON JUN 21	0 ON OCT 23	24 900	1963
1964	---	5.15 ON JUL 26	0 ON MAY 1	35 000	1964
1965	---	3.77 ON AUG 1	0 ON MAY 1	12 900	1965
1966	---	2.88 ON JUN 23	0 ON MAY 1	14 100	1966
1967	---	4.56 ON JUL 22	0 ON MAY 1	24 800	1967
1968	---	3.51 ON JUL 14	0 ON MAY 1	24 300	1968
1969	---	4.36 ON JUN 8	0 ON MAY 1	24 400	1969
1970	---	5.21 ON JUN 11	0 ON MAY 1	21 400	1970
1971	---	4.89 ON JUL 24	0 ON MAY 1	28 800	1971
1972	---	4.98 ON JUN 8	0 ON MAY 1	27 800	1972
1973	---	5.52 ON JUL 18	0 ON MAY 1	37 100	1973
1974	---	6.80 ON JUL 27	0 ON MAY 1	43 300	1974
1975	---	5.88 ON JUL 17	0 ON MAY 1	28 800	1975
1976	---	7.02 ON JUN 14	0 ON MAY 1	52 400	1976
1977	---	8.88 ON JUN 20	0 ON OCT 26	58 800	1977
1978	---	6.50 ON JUN 30	0 ON MAY 1	48 700	1978
1979	---	9.77 ON JUL 13	0 ON MAY 1	64 700	1979
1980	---	11.8 ON JUN 24	0 ON MAY 1	77 900	1980
1981	---	12.0 ON JUL 8	0E ON OCT 22	80 100	1981
1982	---	11.8 ON JUL 14	0 ON MAY 1	71 400	1982
1983	---	13.1 ON JUN 18	0 ON MAY 1	84 700	1983
1984	---	16.3 ON JUL 21 *	0 ON MAY 1	80 700	1984
MEAN				40 200	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

LONEPINE CREEK NEAR LINDEN - STATION NO. 05CE013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	0.001	3.18	3.53	0.251	0.038	0.003	0	0.004	0.008	---	---	1987
1988	---	---	0.118	0.026	0.033	0.020	0.015	0.008	0.008	0.019	---	---	---	1988
1989	---	---	0.004	5.88	0.008	0.048	0.040	0.013	0.022	0.023	---	---	---	1989
MEAN	---	---	0.040	3.38	1.22	0.106	0.035	0.008	0.009	0.015	0.008	---	---	MEAN

LOCATION - LAT 51 34 30 N DRAINAGE AREA, 595 km^2
LONG 113 31 20 W NATURAL FLOW

LONEPINE CREEK NEAR LINDEN - STATION NO. 05CE013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	---	14.3 ON MAY 1	0B ON MAR 1 *	---	1987
1988	---	0.4788 ON MAR 7	0 ON AUG 28	---	1988
1989	34.38 AT 23:40 MST ON APR 3 *	29.4 B ON APR 3 *	0B ON FEB 26	---	1989
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LOST CREEK NEAR THE MOUTH - STATION NO. 07DC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.088	0.294	0.341	0.133	0.018	---	1976
1977	0	0	0	0.831	0.372	0.283	0.382	0.098	0.102	0.148	0.084	0.008	0.172	1977
MEAN	0	0	0	0.831	0.372	0.283	0.382	0.092	0.198	0.244	0.094	0.011	0.172	MEAN

LOCATION - LAT 57 17 20 N, LONG 110 27 50 W. DRAINAGE AREA, 428 km^2. NATURAL FLOW

LOST CREEK NEAR THE MOUTH - STATION NO. 07DC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0B ON DEC 31 *	---	1976
1977	1.858 AT 12:45 MST ON APR 18 *	1.648 ON APR 18 *	0B ON JAN 1	5 420	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 420	MEAN

LOUISE CREEK NEAR LAKE LOUISE - STATION NO. 05BA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	2.33	1.08	0.285	0.231	0.131	---	1913
1914	0.090	0.041	0.012	0.007	0.288	1.12	2.81	2.08	0.838	0.295	0.184	0.120	0.638	1914
1915	0.181	0.055	0.044	0.101	0.327	0.810	1.81	2.81	1.08	0.184	0.103	0.018	0.850	1915
1916	0.022	0.010	0.014	0.018	0.123	1.08	2.08	2.10	1.27	0.273	0.183	0.064	0.805	1916
1917	0.008	0.026	0.018	0.008	0.268	1.08	2.32	2.37	1.32	0.858	0.323	0.213	0.738	1917
1918	0.184	0.185	0.181	0.051	0.227	1.57	2.38	2.14	0.880	---	---	---	---	1918
MEAN	0.085	0.085	0.054	0.037	0.247	1.12	2.24	2.32	1.08	0.381	0.207	0.105	0.858	MEAN

LOCATION - LAT 51 24 56 N, LONG 116 12 35 W. DRAINAGE AREA, 25.1 km^2. NATURAL FLOW

LOUISE CREEK NEAR LAKE LOUISE - STATION NO. 05BA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	3.57 ON JUL 13	0 ON OCT 23 *	20 100	1914
1915	---	3.20 ON AUG 18	0.008 ON DEC 23	20 800	1915
1916	---	2.78 ON AUG 13	0.0088 ON FEB 28	10 100	1916
1917	---	5.52 ON JUL 20 *	0.0048 ON JAN 18	23 300	1917
1918	---	3.11 ON JUL 21	---	---	1918
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		20 800	MEAN

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	0.215	1.25	0.953	1.12	0.525	0.408	0.226	---	---	0.748	1975
1976	---	---	---	0.588	0.743	1.52	1.05	0.771	0.725	0.446	---	---	0.873	1976
1977	---	---	0.085	0.340	3.10	2.88	2.11	1.98	1.08	0.856	---	---	2.11	1977
1978	---	---	---	---	2.80 R	2.88 R	2.62 R	1.20 R	1.87 R	0.815R	---	---	2.01 R	1978
1979	---	---	---	---	1.79	1.32	0.731	0.484	0.528	0.326	---	---	0.864	1979
1980	---	---	---	---	1.83	10.5	2.08	1.48	1.73	0.802	---	---	3.22	1980
1981	---	---	---	---	1.08	1.38	2.25	1.58	0.885	0.481	---	---	1.25	1981
1982	---	---	---	---	1.45	1.18	6.01	1.34	0.883	1.28	---	---	2.05	1982
1983	---	---	---	---	1.07	1.58	1.31	0.582	0.367	0.317	---	---	0.884	1983
1984	---	---	---	---	1.01	1.57	0.857	0.382	0.458	0.833	---	---	0.900	1984
MEAN	---	---	0.085	0.380	1.80 R	2.55 R	2.10 R	1.03 R	1.02 R	0.838R	---	---	1.49	MEAN

LOCATION - LAT 52 59 50 N, LONG 116 39 20 W. DRAINAGE AREA, 101 km^2. NATURAL FLOW

R - REVISED SINCE JAN 1980

LOVETT RIVER NEAR THE MOUTH - STATION NO. 07BA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	3.348 AT 01:00 MST ON MAY 10	2.76 ON JUN 29	0.1648 ON OCT 24	11 900	1975
1976	---	2.94 ON JUN 24	0.3038 ON OCT 24	13 900	1976
1977	8.15 AT 01:00 MST ON JUN 1	8.13 ON JUN 1	0.136 ON MAY 1 *	33 800	1977
1978	14.0 R AT 22:15 MST ON MAY 15	10.4 R ON JUL 12	0.650RE ON OCT 31	31 900R	1978
1979	---	2.80E ON MAY 24	0.240 ON OCT 5	13 700	1979
1980	73.0 AT 14:00 MST ON JUN 4 *	61.4 E ON JUN 4 *	0.850E ON OCT 29	51 100	1980
1981	8.83 AT 09:00 MST ON JUL 30	8.01 ON JUL 30	0.283 ON MAY 4	18 800	1981
1982	29.0 AT 13:45 MST ON JUL 5	26.8 ON JUL 5	0.886 ON SEP 24	32 800	1982
1983	4.18 AT 20:50 MST ON JUN 24	3.74 ON JUN 21	0.302 ON OCT 13	13 700	1983
1984	2.67 AT 17:00 MST ON JUN 8	2.55 ON JUN 8	0.268 ON AUG 28	14 300	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		23 700R	MEAN

LOYALIST CREEK NEAR CONSORT - STATION NO. 05GA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	0	0.002	0.105	0.007	---	---	---	1984
MEAN	---	---	---	---	---	---	0	0.002	0.105	0.007	---	---	---	MEAN

LOCATION - LAT 52 00 04 N, LONG 110 45 54 W. DRAINAGE AREA, 280 km^2. NATURAL FLOW

LOYALIST CREEK NEAR CONSORT - STATION NO. 05GA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	0A ON JUN 27 *	---	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

LUTOSE CREEK NEAR STEEN RIVER - STATION NO. 07DB008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.170	---	---	---	1977
1978	---	---	0	0.547	2.76	0.805	0.225	0.857	0.888	0.451	---	---	0.787	1978
1979	---	---	0	0.085	5.17	4.12	0.358	0.034	0.159	0.188	---	---	1.28	1979
1980	---	---	0.001	0.288	0.085	0.006	0.001	0.001	0	0.010	---	---	0.048	1980
1981	---	---	0	0.113	0.741	0.105	0.048	0.003	0	0.008	---	---	0.128	1981
1982	---	---	0	0.047	1.83	0.180	0.011	0.005	0.015	0	---	---	0.238	1982
1983	---	---	0	0.200	2.46	0.587	0.070	0.020	0.025	0.027	---	---	0.427	1983
1984	---	---	0	0.043	0.015	0.195	0.707	0.170	0.253	0.288	---	---	0.211	1984
MEAN	---	---	0	0.187	1.84	0.857	0.203	0.127	0.163	0.143	---	---	0.440	MEAN

LOCATION - LAT 58 24 20 N, LONG 117 18 42 W. DRAINAGE AREA, 282 km^2. NATURAL FLOW

LUTOSE CREEK NEAR STEEN RIVER - STATION NO. 07DB008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	---	---	1977
1978	7.33 AT 23:00 MST ON MAY 4	6.65 B ON APR 30	0B ON MAR 1 *	16 200	1978
1979	18.5 AT 08:00 MST ON MAY 29 *	18.5 ON MAY 29 *	0B ON MAR 1	25 800	1979
1980	---	0.658B ON APR 17	0B ON MAR 1	1 040	1980
1981	3.68B AT 12:00 MST ON MAY 2	2.58 B ON MAY 6	0B ON MAR 1	2 710	1981
1982	3.48 AT 12:00 MST ON MAY 10	3.27 ON MAY 12	0B ON MAR 1	5 030	1982
1983	3.83B AT 07:30 MST ON MAY 1	3.01 B ON MAY 1	0B ON MAR 1	9 020	1983
1984	1.14 AT 11:30 MST ON JUL 3	0.993 ON JUL 7	0B ON MAR 1	4 480	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 290	MEAN

MACKAY CREEK AT GRANT'S RANCH - STATION NO. 05AH006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	4.98	0.512	0.078	0	0	0	0	---	---	---	1912
1913	---	---	---	0.814	0.242	0.007	0.006	0	0	0	---	---	---	1913
1914	---	---	---	0.554	0.084	0.012	0	0	0	0.183	---	---	---	1914
MEAN	---	---	---	2.14	0.278	0.032	0.002	0	0	0.061	---	---	---	MEAN

LOCATION - LAT 48 52 10 N, LONG 110 01 10 W. DRAINAGE AREA, 247 km^2. NATURAL FLOW

MACKAY CREEK AT GRANT'S RANCH - STATION NO. 05AH005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	32.3 E ON APR 3 *	0 ON JUN 27 *	---	1912
1913	---	2.76 ON APR 8	0 ON JUN 12	---	1913
1914	---	3.46 ON OCT 6	0 ON JUL 9	---	1914
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MACKAY CREEK AT WALSH - STATION NO. 05AH002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.233	0.049	0.222	0	0.882	0.135	---	---	---	1911
1912	---	---	---	2.60	0.868	0.154	0.001	0	0	0	---	---	---	1912
1913	---	---	---	1.22	0.258	0.001	0	0	0	0	---	---	---	1913
1914	---	---	---	0.582	0.035	0	0	0	0.009	0.308	---	---	---	1914
1915	---	---	---	0.760	0.402	2.47	0.412	0.144	0.003	0.043	---	---	---	1915
1916	---	---	1.38	0.289	2.35	5.41	0.855	0.372	0.080	0.152	---	---	1.32	1916
1917	---	---	---	---	3.87	0.200	0.042	0	0	0	---	---	---	1917
1918	---	---	---	0.883	0.155	0.023	---	---	---	---	---	---	---	1918
1919	---	---	0.024	0.417	0.031	0	0	0	0	0	---	---	0.058	1919
1938	---	---	1.23	---	0.034	0	---	---	---	---	---	---	---	1938
1956	---	---	1.84	0.458	0.280	0.008	0.003	0	0	0	---	---	0.287	1956
1957	---	0.807	1.21	2.03	0.484	0.089	0	0	0	0	---	---	0.487	1957
1958	---	---	0.731	0.738	0.015	0	0	0	0	0	---	---	0.185	1958
1959	---	---	1.33	0.714	0.118	0.108	0.008	0	0	0	---	---	0.284	1959
1960	---	---	1.85	0.312	0.898	0.038	0	0	0	0	---	---	0.381	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.485	0	0	0.181	0.001	0	0	0	---	---	0.081	1962
1963	---	1.32	0.188	0.042	0	0	0	0	0	0	---	---	0.028	1963
1964	---	---	0	0.111	1.77	0.008	0	0	0	0	---	---	0.239	1964
1965	---	---	0.007	3.87	0.283	1.08	0.357	0	0.001	0	---	---	0.852	1965
1966	---	---	1.08	0.801	0.438	0.315	0.024	0.011	0	0	---	---	0.431	1966
1967	---	---	2.19	1.89	7.14	0.342	0.005	0	0	0	---	---	1.44	1967
1968	---	---	0.173	0.114	0.128	0.037	0.004	0	0	0	---	---	0.057	1968
1969	---	---	1.84	0.820	0.053	0	0	0	0	0	---	---	0.352	1969
1970	---	---	0.255	1.83	0.881	0.480	0.044	0	0	0	---	---	0.408	1970
1971	---	2.12	0.211	1.63	0.138	0.371	0.027	0	0	0	---	---	0.280	1971
1972	---	---	1.26	0.038	0.017	0.002	0	0	0	0	---	---	0.158	1972
1973	---	0.001	0.022	0.248	0.084	0.332	0.001	0	0	0	---	---	0.088	1973
1974	---	---	0.734	0.358	0.704	0.034	0	0	0	0	---	---	0.230	1974
1975	---	---	0	1.67	4.98	2.18	0.048	0	0	0	---	---	1.13	1975
1976	---	---	0.807	0.488	0.044	0.287	0.083	0	0	0	---	---	0.203	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	1.03	0.872	0.312	0.078	0	0	0	0	---	---	0.284	1978
1979	---	---	4.08	1.18	0.803	0.079	0.041	0	0.018	0	---	---	0.760	1979
1980	---	---	0.048	0.010	0	0	0	0	0	0	---	---	0.007	1980
1981	---	0.030	0	0	0	0.301	0	0	0	0	---	---	0.037	1981
1982	---	0.382	0.886	1.85	0.580	3.87	0.014	0.001	0	0	---	---	0.873	1982
1983	---	0.028	0.115	0.280	1.08	0.012	0.024	0	0	0	---	---	0.188	1983
1984	---	0	0.011	0.040	0.008	0	0	0	0	0	---	---	0.007	1984
MEAN	---	0.588	0.808	0.787	0.738	0.488	0.084	0.014	0.028	0.017	---	---	0.383	MEAN

LOCATION - LAT 49 58 30 N DRAINAGE AREA, 438 km^2
LONG 110 02 40 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1957, 1963 AND 1971

MACKAY CREEK AT WALSH - STATION NO. 05AH002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	11.0 ON SEP 7	0 ON JUN 14 *	---	1911
1912	---	12.1 ON MAR 28	0 ON JUN 28	---	1912
1913	---	2.78 ON APR 13	0 ON JUN 7	---	1913
1914	---	3.87 ON OCT 9	0 B ON MAR 28	---	1914
1915	---	28.6 ON JUN 4	0 ON MAY 10	---	1915
1916	52.1 AT 02:00 MST ON JUN 12	41.1 ON JUN 11	0.019 ON APR 1	38 000	1916
1917	---	---	0 ON JUL 22	---	1917
1918	---	---	0 ON JUN 15	---	1918
1919	2.80 AT 18:00 MST ON APR 19	2.38 ON APR 20	0 ON MAR 1	1 230	1919
1938	---	8.85 ON MAR 7	0 ON MAR 1	---	1938
1956	19.7 B ON MAR 20	15.6 B ON MAR 20	0 B ON MAR 1	5 280	1956
1957	---	4.70 ON APR 15	0 ON JUN 6	9 900	1957
1958	---	5.63 B ON MAR 29	0 ON MAY 22	3 810	1958
1959	5.32 B AT 15:00 MST ON MAR 16	5.15 B ON MAR 16	0 ON JUN 9	6 020	1959
1960	---	12.5 B ON MAR 19	0 B ON MAR 1	5 280	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	5.17 AT 02:00 MST ON JUN 15	3.46 B ON MAR 21	0 B ON MAR 1	1 720	1962
1963	---	1.33 ON MAR 23	0 ON MAR 15	553	1963
1964	28.3 AT 04:00 MST ON MAY 8	20.8 ON MAY 8	0 ON MAR 1	5 080	1964
1965	18.2 AT 15:00 MST ON JUN 27	15.1 ON JUN 27	0 B ON MAR 14	12 600	1965
1966	---	5.10 B ON MAR 12	0 ON JUL 9	9 140	1966
1967	40.8 AT 12:00 MST ON MAY 8	33.4 ON MAY 8	0 B ON MAR 10	30 400	1967
1968	1.37 B AT 08:21 MST ON MAR 2	0.748 ON MAR 7	0 ON JUL 12	1 210	1968
1969	---	18.5 B ON MAR 16	0 B ON MAR 1	7 440	1969
1970	18.4 AT 19:24 MST ON APR 7	9.77 ON APR 7	0 B ON MAR 1	8 570	1970
1971	---	4.45 ON APR 8	0 B ON MAR 9	5 930	1971
1972	8.52 AT 20:00 MST ON MAR 14	7.50 ON MAR 14	0 B ON MAR 1	3 560	1972
1973	5.32 AT 17:00 MST ON JUN 15	2.84 ON JUN 15	0 B ON MAR 13	1 820	1973
1974	10.0 B AT 08:30 MST ON MAR 29	7.84 B ON MAR 29	0 B ON MAR 1	4 880	1974
1975	57.8 AT 08:00 MST ON MAY 7 *	43.6 ON MAY 7 *	0 B ON MAR 1	24 000	1975
1976	8.81 B AT 10:30 MST ON MAR 18	8.30 B ON MAR 18	0 B ON MAR 7	4 290	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	---	4.39 B ON MAR 9	0 ON JUN 18	5 590	1978
1979	---	14.0 B ON MAR 7	0 ON JUN 21	18 500	1979
1980	---	0.2609 ON MAR 18	0 B ON MAR 8	148	1980
1981	4.39 AT 18:15 MST ON JUN 15	3.97 ON JUN 15	0 ON MAR 1	780	1981
1982	28.5 AT 18:00 MST ON JUN 4	20.1 ON JUN 4	0 ON AUG 17	15 500	1982
1983	9.42 AT 00:54 MST ON MAY 18	5.44 ON MAY 18	0 ON MAR 28	3 870	1983
1984	0.058 AT 20:11 MST ON APR 11	0.050 ON APR 12	0 B ON MAR 1	150	1984
				7 470	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.037	0.001	0	0	0	---	---	---	1976
1977	---	---	0.011	0.078	0.004	0	0	0	0	0	---	---	0.011	1977
1978	---	---	0.182	0.223	0.047	0.011	0	0	0.015	0.010	---	---	0.058	1978
1979	---	---	0.801	0.403	0.213	0.009	0	0	0	0.052	---	---	0.147	1979
1980	---	---	0.014	0.078	0.001	0	0	0	0	0.052	---	---	0.018	1980
1981	---	0.037	0.026	0.021	0.048	0.100	0.001	0	0	0.052	---	---	0.031	1981
1982	---	0.043	0.118	0.888	0.304	0.859	0.032	0	0	0.006	---	---	0.232	1982
1983	---	0.048	0.181	0.109	0.388	0.008	0.058	0	0	0	---	---	0.091	1983
1984	---	0.023	0.062	0.105	0.038	0	0	0	0	0	---	---	0.024	1984
MEAN	---	0.037	0.131	0.210	0.118	0.114	0.010	0	0.003	0.020	---	---	0.077	MEAN

LOCATION - LAT 49 44 28 N DRAINAGE AREA, 75.1 km^2
LONG 110 02 33 W NATURAL FLOW

MACKAY CREEK NEAR GRABURN GAP - STATION NO. 05AH042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0E ON JUN 1 *	---	1976
1977	0.705 AT 20:30 MST ON APR 8	0.478 ON APR 8	0 ON APR 26	243	1977
1978	---	0.878 ON MAR 28	0B ON MAR 1	1 330	1978
1979	---	1.14 ON APR 8	0B ON MAR 1	3 120	1979
1980	0.881 AT 10:40 MST ON OCT 23	0.813 ON OCT 24	0B ON MAR 1	407	1980
1981	1.85 AT 18:00 MST ON JUN 14	1.28 ON JUN 14	0 ON MAY 14	655	1981
1982	12.8 AT 17:48 MST ON APR 12 *	8.67 ON JUN 3 *	0B ON MAR 4	4 820	1982
1983	3.73 AT 20:30 MST ON MAY 18	2.13 ON MAY 17	0 ON JUN 10	1 820	1983
1984	0.380 AT 07:55 MST ON MAR 28	0.2378 ON MAR 23	0 ON MAY 13	508	1984
				1 830	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

MACKAY CREEK NEAR WALSH - STATION NO. 08AH040

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	3.45	5.30	0.788	0.827	0.121	0	0.184	0.022	---	---	1.30	1951
1952	---	3.60	8.14	7.63	0.844	0.027	0	0	0	0	---	---	2.08	1952
1953	---	---	1.94	1.78	2.18	7.67	0.128	0	0	0	---	---	1.67	1953
1954	---	0.018	0	1.67	0.578	0.[illegible]	0.048	0	0.058	0.078	---	---	0.388	1954
1955	---	---	2.99	12.5	4.04	0.268	8.04	0.041	0	0	---	---	3.22	1955
MEAN	---	1.78	3.30	5.82	1.82	1.82	1.27	0.008	0.044	0.020	---	---	1.73	MEAN

LOCATION - LAT 48 58 00 N
LONG 110 03 00 W
DRAINAGE AREA, 885 km²
REGULATED

MACKAY CREEK NEAR WALSH - STATION NO. 08AH040

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1951	---	27.8 ON MAR 30	0.0 ON MAR 1 *	27 400	1951
1952	---	52.9 B ON MAR 28	0.0 ON MAR 9	43 800	1952
1953	---	88.3 ON JUN 4	0.0 ON MAR 1	35 400	1953
1954	---	9.03 ON JUN 12	0.0 ON MAR 1	8 170	1954
1955	---	70.2 ON APR 10 *	0.0 ON MAR 1	68 200	1955
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		36 800	MEAN

MACKAY RIVER ABOVE DUNKIRK RIVER - STATION NO. 07DB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	0.048	1.84	1.88	0.900	0.357	0.833	0.333	0.483	---	---	---	1983
1984	---	---	0.013	0.802	0.858	5.30	3.23	1.48	1.75	2.18	---	---	---	1984
MEAN	---	---	0.031	1.37	1.42	3.10	1.79	0.997	1.04	1.32	---	---	---	MEAN

LOCATION - LAT 58 45 35 N
LONG 112 38 60 W
DRAINAGE AREA, 1 010 km²
NATURAL FLOW

MACKAY RIVER ABOVE DUNKIRK RIVER - STATION NO. 07DB005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	---	---	---	---	1983
1984	10.8 AT 19:24 MST ON JUN 8 *	10.8 ON JUN 8 *	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.881	2.82	2.07	0.888	---	1972
1973	0.888	0.104	0.185	24.7	38.4	187	38.3	28.3	8.38	10.2	7.28	1.87	27.0	1973
1974	1.17	0.804	0.847	88.5	87.2	22.8	38.8	14.0	8.03	3.77	1.82	1.18	22.8	1974
1975	0.818	0.481	0.488	10.7	36.2	31.3	71.2	38.2	88.7	36.2	8.12	1.93	33.4	1975
1976	0.764	0.582	0.488	88.0	15.1	8.26	13.4	18.4	31.8	17.2	2.83	0.488	14.7	1976
1977	0.418	0.362	0.306	10.8	12.8	14.1	14.8	8.21	2.88	7.08	1.78	0.383	8.88	1977
1978	0.428	0.326	0.282	18.8	38.8	17.2	8.14	4.42	78.2	43.0	7.81	1.82	18.2	1978
1979	1.00	0.520	0.871	2.84	88.8	28.4	4.77	1.75	8.80	8.80	2.82	0.888	12.1	1979
1980	0.888	0.270	0.404	8.84	3.82	4.38	1.10	32.3	22.8	17.4	8.78	0.481	8.23	1980
1981	0.832	0.488	0.778	8.71	27.8	8.87	8.10	1.33	0.137	0.810	0.878	0.288	4.38	1981
1982	0.273	0.238	0.241	8.85	44.2	7.88	1.20	1.81	0.738	1.02	0.870	0.844	8.81	1982
1983	0.844	0.508	0.410	17.2	37.8	8.14	7.18	18.7	3.21	2.89	3.84	0.788	7.42	1983
1984	0.118	0.183	0.488	8.08	10.2	88.8	28.8	8.84	8.78	14.8	4.28	1.40	12.1	1984
MEAN	0.888	0.412	0.438	23.8	38.8	30.7	18.1	14.2	17.3	13.8	3.87	1.02	13.8	MEAN

LOCATION - LAT 57 12 26 N
LONG 111 41 26 W
DRAINAGE AREA, 8 870 km²
NATURAL FLOW

MACKAY RIVER NEAR FORT MACKAY - STATION NO. 07DB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	306 AT 18:00 MST ON JUN 18 *	303 ON JUN 18 *	0.0238 ON MAR 2 *	851 000	1973
1974	283 AT 05:00 MST ON APR 20	285 ON APR 20	0.4028 ON MAR 27	720 000	1974
1975	130 AT 01:00 MST ON JUL 20	127 ON JUL 19	0.4428 ON FEB 18	739 000	1975
1976	---	209 B ON APR 12	0.3888 ON DEC 25	484 000	1976
1977	22.8 AT 10:24 MST ON JUL 8	22.7 ON JUL 8	0.1858 ON APR 3	188 000	1977
1978	118 AT 19:50 MST ON SEP 9	118 ON SEP 10	0.2978 ON FEB 8	873 000	1978
1979	---	142 B ON MAY 2	0.4008 ON FEB 19	382 000	1979
1980	58.8 AT 14:00 MST ON AUG 13	54.3 ON AUG 12	0.2509 ON FEB 8	280 000	1980
1981	---	45.08 ON APR 30	0.084 ON SEP 20	137 000	1981
1982	70.7 AT 02:00 MST ON APR 28	61.1 ON APR 30	0.2908 ON FEB 19	183 000	1982
1983	84.7 AT 14:20 MST ON APR 24	84.6 ON APR 24	0.1385 ON DEC 31	234 000	1983
1984	130 AT 15:14 MST ON JUN 2	118 ON JUN 2	0.1189 ON JAN 5	383 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		426 000	MEAN

MAGRATH IRRIGATION DISTRICT CANAL NEAR MAGRATH - STATION NO. 05AE014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	0.377	0.515	0.518	0.514	0.490	0.142	---	---	0.426	1918
1919	---	---	---	---	0.184	0.518	0.550	0.383	0.295	0.058	---	---	0.330	1919
1920	---	---	---	---	0	0.274	0.551	0.549	0.402	0.318	---	---	0.358	1920
1921	---	---	---	---	0.280	0.583	0.537	0.505	0.428	0.331	---	---	0.457	1921
1922	---	---	---	---	0.137	0.539	0.208	0.407	0.279	0.107	---	---	0.278	1922
1923	---	---	---	---	0.318	0.280	0.188	0.312	0.278	0.188	---	---	0.284	1923
1924	---	---	---	---	0.328	0.193	0.428	0.225	0.312	0.189	---	---	0.275	1924
1925	---	---	---	---	0.185	0.448	0.427	0.313	0.188	0.020	---	---	0.269	1925
1926	---	---	---	---	0.280	0.387	0.327	0.283	0.100	0.007	---	---	0.227	1926
1927	---	---	---	---	0.003	0.022	0.180	0.189	0.058	0.005	---	---	0.070	1927
1928	---	---	---	---	0.275	0.195	0.002	0.218	0.272	0.039	---	---	0.188	1928
1929	---	---	---	---	0.042	0.158	0.387	0.414	0.293	0.050	---	---	0.215	1929
1930	---	---	---	---	0.024	0.448	0.329	0.381	0.188	0.020	---	---	0.228	1930
1932	---	---	---	---	0.188	0.135	0.430	0.327	0.225	0.139	---	---	0.234	1932
1933	---	---	---	---	0.018	0.642	0.731	0.584	0.313	0.214	---	---	0.417	1933
1934	---	---	---	---	0.398	0.270	0.893	0.579	0.321	0.088	---	---	0.372	1934
1935	---	---	---	---	0	0.603	0.854	0.584	0.357	0.129	---	---	0.417	1935
1936	---	---	---	---	0.095	0.570	0.634	0.387	0.286	0.018	---	---	0.326	1936
1937	---	---	---	---	0.271	0.188	0.898	0.388	0.341	0.029	---	---	0.323	1937
1938	---	---	---	---	0	0.383	0.492	0.495	0.381	0.043	---	---	0.287	1938
1939	---	---	---	---	0.484	0.221	0.826	0.593	0.385	0.070	---	---	0.387	1939
1940	---	---	---	---	0.054	0.533	0.552	0.287	0.238	0.085	---	---	0.285	1940
1941	---	---	---	---	0.248	0.277	0.481	0.383	0.248	0.105	---	---	0.288	1941
1942	---	---	---	---	0.017	0.053	0.220	0.180	0.103	0.104	---	---	0.113	1942
1943	---	---	---	---	0.083	0.376	0.777	0.511	0.442	0.258	---	---	0.459	1943
1944	---	---	---	0.030	0.394	0.211	0.548	0.480	0.334	0.183	---	---	0.381	1944
1945	---	---	---	---	0.083	0.188	0.380	0.415	0.415	0.108	---	---	0.283	1945
1946	---	---	---	---	0.501	0.118	0.820	0.510	0.370	0.032	---	---	0.359	1946
1947	---	---	---	---	0.082	0.188	0.550	0.462	0.088	0.088	0.001	---	0.284	1947
1948	---	---	---	---	0	0	0.259	0.426	0.386	0.189	---	---	0.204	1948
1949	---	---	---	0.018	0.198	0.174	0.586	0.536	0.458	0.172	---	---	0.381	1949
1950	---	---	---	---	0.057	0.483	0.419	0.585	0.485	0.284	---	---	0.358	1950
1951	---	---	---	---	0	0.040	0.139	0.486	0	0.118	---	---	0.133	1951
MEAN	---	---	---	0.023	0.188	0.308	0.488	0.433	0.283	0.117	0.001	---	0.287	MEAN

LOCATION - LAT 49 32 27 N
LONG 112 53 52 W REGULATED

MAGRATH IRRIGATION DISTRICT CANAL NEAR MAGRATH - STATION NO. 05AE014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---				
1919	---	0.817 ON AUG 29	0 ON JUL 1 *	6 770	1918
		0.851 ON JUL 8	0 ON MAY 1	5 230	1919
1920	---				
1921	---	0.783A ON JUL 5	0 ON MAY 1	5 850	1920
1922	---	0.782 ON JUN 30	0 ON MAY 1	7 270	1921
1923	---	0.623 ON JUN 24	0 ON MAY 1	4 430	1922
1924	---	0.484 ON MAY 24	0 ON MAY 1	4 040	1923
		0.536 ON JUL 16	0 ON MAY 1	4 380	1924
1925	---				
1926	---	0.488 ON JUN 28	0 ON MAY 1	4 110	1925
1927	---	0.800 ON JUN 4	0 ON MAY 1	3 800	1926
1928	---	0.406 ON JUL 13	0 ON MAY 1	1 110	1927
1929	---	0.858A ON MAY 28	0 ON MAY 1	2 840	1928
		0.549 ON JUL 25	0 ON MAY 1	3 430	1929
1930	---	0.736 ON JUN 18	0 ON MAY 1	3 820	1930
1932	---				
1933	---	0.848 ON JUL 30	0 E ON MAY 22	3 720	1932
1934	---	0.880 ON JUL 21	0 ON MAY 1	5 830	1933
		0.844 ON JUL 22	0 ON MAY 1	5 920	1934
1935	---				
1936	---	1.05 ON JUL 17	0 ON MAY 1	5 830	1935
1937	---	0.849E ON JUL 2	0 ON MAY 1	5 210	1936
1938	---	0.843A ON JUL 1	0 ON MAY 1	5 130	1937
1939	---	0.824A ON JUL 18	0 ON MAY 1	4 720	1938
		1.01 ON JUL 15	0 ON OCT 3	5 330	1939
1940	---				
1941	---	0.743 ON JUN 1	0 ON MAY 1	4 700	1940
1942	---	0.843 ON JUL 11	0 ON MAY 1	4 580	1941
1943	---	0.481 ON AUG 18	0 ON AUG 31	1 600	1942
1944	---	1.10 ON JUL 10 *	0 ON MAY 1	7 280	1943
		0.894 ON AUG 5	0 ON OCT 24	5 740	1944
1945	---				
1946	---	0.731 ON JUL 11	0 ON MAY 1	4 190	1945
1947	---	0.861 ON MAY 19	0 ON JUN 2	5 700	1946
1948	---	1.06 ON JUL 17	0 ON MAY 1	4 200	1947
1949	---	0.583 ON AUG 18	0 ON MAY 1	3 240	1948
		0.773 ON JUL 12	0.011 ON MAY 19	5 580	1949
1950	---				
1951	---	0.909 ON AUG 5	0 ON MAY 1	6 320	1950
		0.682 ON AUG 5	0 ON MAY 1	2 120	1951
				4 730	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE021

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	0	0	0.872	0.187	0.151	0.074	0.011	---	---	0.088	1927
1928	---	---	---	0	0.219	0.305	0.047	0.102	0.249	0.033	---	---	0.135	1928
1929	---	---	---	0	0.008	0.074	0.398	0.375	0.348	0.151	---	---	0.194	1929
1930	---	---	---	0	0.048	0.478	0.801	0.472	0.317	0.114	---	---	0.281	1930
1931	---	---	---	0.027	0.521	0.881	0.889	0.898	0.483	0.200	---	---	0.470	1931
1932	---	---	---	0.001	0.051	0.154	0.793	0.481	0.363	0.208	---	---	0.295	1932
1933	---	---	---	0	0.018	1.08	1.11	0.796	0.386	0.207	---	---	0.515	1933
1934	---	---	---	0	0.792	0.393	0.750	0.587	0.343	0.118	---	---	0.439	1934
1935	---	---	---	0	0	0.750	1.42	0.818	0.306	0.105	---	---	0.458	1935
1936	---	---	---	0	0.289	0.879	0.949	0.515	0.385	0.030	---	---	0.451	1936
1937	---	---	---	0	0.328	0.406	1.06	0.836	0.556	0.097	---	---	0.463	1937
1938	---	---	---	0	0	0.803	0.934	0.423	0.363	0.124	---	---	0.338	1938
1939	---	---	---	0	0.884	0.131	0.866	0.427	0.261	0.034	---	---	0.378	1939
1940	---	---	---	0	0.070	0.835	0.908	0.470	0.334	0.318	---	---	0.419	1940
1941	---	---	---	0	0.383	0.324	0.883	0.439	0.213	0.083	---	---	0.304	1941
1942	---	---	---	0	0	0.048	0.283	0.183	0.115	0.092	---	---	0.101	1942
1943	---	---	---	0	0.028	0.509	0.706	0.741	0.415	0.220	---	---	0.378	1943
1944	---	---	---	0.034	0.540	0.550	0.843	0.505	0.455	0.371	---	---	0.430	1944
1945	---	---	---	0	0.013	0.105	0.433	0.480	0.318	0.180	---	---	0.214	1945
1946	---	---	---	0	0.712	0.401	0.788	0.518	0.457	0.188	---	---	0.437	1946
1947	---	---	---	0	0.077	0.310	0.716	0.531	0.173	0.123	---	---	0.277	1947
1948	---	---	---	0	0	0	0.185	0.258	0.284	0.151	---	---	0.138	1948
1949	---	---	---	0	0.185	0.212	0.498	0.849	0.436	0.322	0.008	---	0.311	1949
1950	---	---	---	0	0.008	0.342	0.490	0.884	0.570	0.412	---	---	0.368	1950
1951	---	---	---	0	0.032	0.082	0.268	0.602	0	0	---	---	0.139	1951
1952	---	---	---	0	0.018	0.480	0.434	0.400	0.381	0.218	---	---	0.278	1952
1953	---	---	---	0	0	0.010	0.407	0.679	0.758	0.284	---	---	0.207	1953
1954	---	---	---	0	0.159	0.883	1.15	1.28	0.171	0.146	---	---	0.511	1954
1955	---	---	---	0	0.008	0.303	0.196	1.20	0.671	0.218	---	---	0.371	1955
1956	---	---	---	0	0.128	0.957	0.410	0.853	0.188	0.198	---	---	0.362	1956
1957	---	---	---	0	0.421	0.821	1.60	1.38	0.895	0.178	---	---	0.758	1957
1958	---	---	---	0	0.189	0.741	1.03	1.21	0.995	1.03	---	---	0.740	1958
1959	---	---	0	0.001	0.087	1.12	1.42	1.06	0.342	0.278	---	---	0.518	1959
1960	---	---	---	0.002	0.058	1.02	1.55	0.888	0.808	0.842	---	---	0.683	1960
1961	---	---	0.003	0.003	0.248	1.84	1.57	0.858	0.570	0.281	---	---	0.750	1961
1962	---	---	---	0.001	0.988	1.27	1.78	1.43	0.511	0.843	0.004	---	0.834	1962
1963	---	---	---	0.135	1.31	1.34	0.785	1.12	0.422	0.887	---	---	0.887	1963
1964	---	---	---	0.008	0.148	0.284	1.28	1.27	0.177	0.261	---	---	0.498	1964
1965	---	---	---	0.003	0.228	0.733	0.410	0.803	0.136	0.148	---	---	0.382	1965
1966	---	---	0	0.002	0.288	0.290	0.785	0.857	0.415	0.085	---	---	0.382	1966
1967	---	---	---	0.003	0.024	0.027	1.38	0.857	0.780	0.678	0.014	---	0.852	1967
1968	---	---	---	0.004	0.088	0.745	1.40	0.808	0.232	0.072	---	---	0.448	1968
1969	---	---	---	0.001	0.804	0.710	0.447	1.18	0.788	0.202	---	---	0.598	1969
1970	---	---	---	0	0.387	0.814	1.80	1.23	0.441	0.278	---	---	0.692	1970
1971	---	---	---	0	0.248	1.07	1.57	1.45	0.721	0.454	---	---	0.781	1971
1972	---	---	---	0	0.075	1.48	0.880	1.15	0.230	0.188	---	---	0.587	1972
1973	---	---	---	0	1.16	1.25	2.47	1.88	0.841	0.584	---	---	1.15	1973
1974	---	---	---	0	0	0.840	1.98	1.21	0.290	0.328	---	---	0.881	1974
1975	---	---	---	0	0	0.270	1.20	1.18	0.438	0.371	---	---	0.514	1975
1976	---	---	---	0	0.211	1.08	1.18	0.208	0.374	0.378	---	---	0.507	1976
1977	---	---	---	0	1.47	2.18	2.32	0.415	0.033	0.238	---	---	0.955	1977
1978	---	---	---	0	0.010	0.253	0.580	0.819	0.033	0.228	---	---	0.258	1978
1979	---	---	---	0	0	1.08	2.04	0.881	0.182	0.234	---	---	0.834	1979
1980	---	---	---	0	0.831	0.120	1.88	0.707	0.283	0.342	---	---	0.541	1980
1981	---	---	---	0	0	0.068	0.948	0.815	0.880	0.408	---	---	0.394	1981
1982	---	---	---	0	0.050	1.10	0.949	1.24	0.880	0.203	---	---	0.628	1982
1983	---	---	---	0	0.192	1.48	0.873	1.00	0.839	0.226	---	---	0.884	1983
1984	---	---	---	0	0.380	1.30	2.35	1.49	0.878	0.187	---	---	0.940	1984
MEAN	---	---	0.001	0.004	0.283	0.645	0.882	0.780	0.420	0.255	0.009	---	0.480	MEAN

LOCATION - LAT 49 20 55 N
LONG 113 03 15 W REGULATED

MAGRATH IRRIGATION DISTRICT CANAL NEAR SPRING COULEE - STATION NO. 05AE021

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	0.282 ON JUL 7	0 ON APR 1 *	1 280	1927
1928	---	0.671 ON MAY 27	0 ON APR 1	3 500	1928
1929	---	0.681 ON OCT 23	0 ON APR 1	3 590	1929
1930	---	0.980 ON JUL 5	0 ON APR 1	5 340	1930
1931	---	0.980 ON AUG 6	0 ON APR 1	5 700	1931
1932	---	1.13 ON JUL 25	0 ON APR 1	5 450	1932
1933	---	1.58 ON JUN 22	0 ON APR 1	9 530	1933
1934	---	1.21 A ON MAY 27	0 ON APR 1	7 930	1934
1935	---	1.61 ON JUL 13	0 ON APR 1	8 470	1935
1936	---	1.64 ON JUN 26	0 ON APR 1	8 330	1936
1937	---	1.47 ON JUL 13	0 ON APR 1	8 190	1937
1938	---	1.48 ON JUL 21	0 ON APR 1	8 200	1938
1939	---	1.53 A ON MAY 19	0 ON APR 1	7 010	1939
1940	---	1.38 ON JUL 5	0 ON APR 1	7 780	1940
1941	---	1.05 ON JUL 10	0 ON APR 1	5 630	1941
1942	---	0.467 ON JUL 24	0 ON APR 1	1 880	1942
1943	---	0.881 ON AUG 3	0 ON APR 1	8 530	1943
1944	---	0.912 ON JUL 7	0 ON APR 1	7 850	1944
1945	---	0.885 ON JUL 29	0 ON APR 1	3 950	1945
1946	---	1.04 ON MAY 24	0 ON APR 1	8 080	1946
1947	---	1.31 ON JUL 19	0 ON APR 1	9 130	1947
1948	---	0.778 ON OCT 13	0 ON APR 1	2 510	1948
1949	---	0.857 ON AUG 4	0 ON APR 1	5 760	1949
1950	---	1.00 ON JUN 29	0 ON APR 1	8 570	1950
1951	---	0.848 ON AUG 2	0 ON APR 1	2 570	1951
1952	---	0.788 ON JUL 15	0 ON APR 1	5 080	1952
1953	---	0.863 ON AUG 23	0 ON APR 1	5 880	1953
1954	---	2.18 ON AUG 12	0 ON APR 1	9 440	1954
1955	---	1.61 ON AUG 18	0 ON APR 1	8 670	1955
1956	---	1.73 ON JUN 12	0 ON APR 1	8 880	1956
1957	---	2.28 ON JUL 25	0 ON APR 1	14 000	1957
1958	---	1.61 ON JUL 17	0 ON APR 1	13 700	1958
1959	---	2.35 ON JUL 30	0 E ON APR 1	11 400	1959
1960	---	2.18 ON JUL 20	0 E ON APR 1	13 800	1960
1961	---	2.68 ON JUN 7	0 ON MAY 1	13 900	1961
1962	---	2.15 ON JUL 25	0 ON APR 11	17 200	1962
1963	---	2.23 ON JUN 20	0 ON APR 8	15 600	1963
1964	---	1.06 ON AUG 12	0 ON APR 15	8 170	1964
1965	---	1.84 ON JUN 11	0 E ON APR 14	8 510	1965
1966	---	2.17 ON AUG 4	0 ON APR 1	7 240	1966
1967	---	2.12 ON JUL 31	0 B ON APR 16	16 200	1967
1968	---	2.04 ON JUL 17	0.003 ON APR 8	8 290	1968
1969	---	2.41 ON AUG 5	0 ON OCT 24	11 100	1969
1970	---	2.79 ON JUL 16	0 ON APR 1	13 600	1970
1971	---	2.23 ON JUL 22	0 ON APR 1	14 600	1971
1972	---	2.31 ON AUG 11	0 ON APR 1	10 600	1972
1973	---	3.14 ON JUL 20	0 ON APR 1	21 200	1973
1974	---	2.73 ON AUG 2	0 E ON APR 1	13 200	1974
1975	---	2.29 ON JUL 24	0 ON APR 1	9 500	1975
1976	---	2.41 ON JUN 1	0 ON APR 1	9 380	1976
1977	---	3.57 ON JUL 22 *	0 E ON APR 1	17 700	1977
1978	---	1.43 ON AUG 11	0 E ON APR 1	4 600	1978
1979	---	2.68 ON JUL 20	0 ON APR 1	11 700	1979
1980	---	2.22 ON MAY 22	0 A ON APR 1	8 980	1980
1981	---	1.77 ON JUL 21	0 ON APR 1	7 280	1981
1982	---	1.86 ON JUN 27	0 E ON APR 1	11 600	1982
1983	---	2.07 ON JUN 28	0 ON APR 1	12 100	1983
1984	---	2.68 ON JUL 18	0 ON APR 1	17 400	1984
				8 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	---	---	---	---	---	---	50.9	45.3	41.5	18.6	---	---	---	1916
1917	---	---	---	---	10.9	33.3	40.8	36.4	18.7	---	---	---	---	1917
1918	---	---	---	---	10.3	33.6	67.4	74.9	23.0	---	---	---	---	1918
1919	---	---	---	---	---	---	---	44.1	43.2	---	---	---	---	1919
1920	---	---	---	---	---	---	---	---	32.6	---	---	---	---	1920
1972	---	---	---	---	---	---	---	---	---	11.6	5.06	3.78	---	1972
1973	2.62	2.58	2.19	2.48	13.1	35.6	40.3	38.1	15.4	9.06	5.64	4.67	14.4	1973
1974	3.63	3.06	2.34	2.77	7.13	30.9	59.3	44.2	28.9	14.6	7.64	4.68	18.4	1974
1975	3.06	2.40	2.06	2.28	7.81	30.0	43.8	41.4	29.3	9.26	7.67	4.67	14.8	1975
1976	3.10	2.72	2.17	2.71	15.8	38.0	41.3	41.8	30.8	14.4	8.69	5.88	18.8	1976
1977	3.14	2.36	1.96	2.42	14.8	41.1	48.3	43.1	26.2	11.3	6.92	4.33	17.0	1977
1978	3.10	2.66	2.12	2.66	---	---	---	---	43.8	30.6	7.76	4.76	---	1978
1979	3.06	2.79	2.61	2.68	6.30	37.3	41.6	30.4	18.4	9.69	6.67	3.69	13.8	1979
1980	2.86	2.36	2.32	4.28	26.8	41.3	37.5	26.6	18.8	12.2	6.29	4.66	18.4	1980
1981	3.63	2.27	1.82	2.26	14.3	32.8	33.3	27.2	22.6	10.0	6.26	3.63	14.2	1981
1982	3.03	2.30	1.83	1.86	8.86	37.7	52.1	48.0	36.3	13.6	6.12	4.34	18.6	1982
1983	3.36	2.77	2.62	2.82	7.61	34.7	36.2	26.0	18.1	9.66	7.40	4.12	13.8	1983
1984	3.06	2.63	2.16	2.71	4.36	33.4	43.1	43.0	36.8	14.6	8.36	4.07	18.3	1984
MEAN	3.16	2.67	2.19	2.72	11.4	34.7	46.1	41.2	29.0	12.6	6.31	4.23	18.7	MEAN

LOCATION - LAT 52 55 51 N LONG 118 01 34 W
DRAINAGE AREA, 998 km^2
NATURAL FLOW

MALIGNE RIVER NEAR JASPER - STATION NO. 07AA004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1916	---	94.3 ON JUL 14 *	---	---	1916
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1920	---	---	---	---	1920
1972	---	---	---	---	1972
1973	51.0 AT 12:00 MST ON JUN 24	48.1 ON JUN 24	1.84 ON MAR 31	455 000	1973
1974	76.2 AT 08:40 MST ON JUL 19	72.8 ON JUL 19	2.10 ON MAR 28	580 000	1974
1975	49.8 AT 21:00 MST ON JUL 3	48.7 ON JUL 3	1.89 ON MAR 29	482 000	1975
1976	45.0 AT 01:00 MST ON AUG 4	44.2 ON AUG 4	1.91 ON APR 1	534 000	1976
1977	51.3 AT 17:30 MST ON JUL 29	48.7 ON JUL 9	1.78 ON MAR 14	537 000	1977
1978	---	---	2.00 ON APR 13	---	1978
1979	45.8 AT 17:00 MST ON JUL 11	44.4 ON JUL 11	2.27 ON MAR 28	436 000	1979
1980	48.5 AT 14:10 MST ON JUN 24	47.5 ON JUN 24	2.10 ON FEB 14	486 000	1980
1981	41.5 AT 16:30 MST ON JUL 22	41.4 ON JUL 22	1.74 ON MAR 20	448 000	1981
1982	92.2 AT 13:35 MST ON JUL 8 *	89.3 ON JUL 8	1.68 ON APR 7 *	883 000	1982
1983	44.0 AT 07:20 MST ON JUN 24	42.9 ON JUN 24	2.33 ON MAR 18	406 000	1983
1984	52.5 AT 17:35 MST ON JUN 29	50.5 ON JUN 28	2.05 ON APR 11	515 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		486 000	MEAN

MAMI CREEK AT MOUNTAIN VIEW - STATION NO. 05AD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0.136	0.196	0.087	0.005	0	0.079	0.101	---	---	---	1910
1912	---	---	---	0.824	0.332	0.121	0.117	0.095	0.028	0.053	---	---	---	1912
1913	---	---	---	---	0.446	0.148	0.085	0.043	0.030	0.037	---	---	---	1913
1914	---	---	---	---	0.344	0.163	0.068	0.027	0.036	0.146	---	---	---	1914
1915	---	---	---	0.340	0.775	2.86	1.19	0.784	0.483	0.857	---	---	---	1915
1916	---	---	---	0.781	1.19	1.30	1.07	0.184	0.123	0.167	---	---	---	1916
1922	---	---	0.002	0.231	0.641	0.236	0.163	0.018	0.008	0.017	---	---	0.100	1922
1923	---	---	0.005	0.150	0.005	0.484	0.176	0.106	0.037	0.072	---	---	0.146	1923
1924	---	---	0.036	0.331	0.261	0.638	0.130	0.208	0.018	0.041	---	---	0.229	1924
1925	---	---	0.184	1.04	0.858	0.227	0.068	0.013	0.051	0.147	---	---	0.285	1925
1926	---	---	0.036	0.093	0.020	0.091	0.018	0.002	0.188	0.092	---	---	0.067	1926
1927	---	---	0.046	1.28	6.25	4.49	0.384	0.423	0.887	0.787	---	---	1.83	1927
1928	---	---	1.12	1.72	0.[illegible]	0.732	1.12	0.275	0.129	0.148	---	---	0.713	1928
1929	---	---	0.071	0.426	1.06	0.602	0.130	0.011	0.008	0.013	---	---	0.292	1929
1930	---	---	0.409	0.577	0.561	0.273	0.073	0.008	0.018	0.013	---	---	0.243	1930
1931	---	---	0.051	0.042	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.082	0.083	---	---	---	1935
1936	---	---	0.072	---	0.084	0.136	---	---	---	---	---	---	---	1936
MEAN	---	---	0.190	0.547	0.653	0.806	0.318	0.147	0.163	0.188	---	---	0.448	MEAN

LOCATION - LAT 48 08 00 N
LONG 113 36 00 W

DRAINAGE AREA, 68.7 km^2
NATURAL FLOW

MAMI CREEK AT MOUNTAIN VIEW - STATION NO. 05AD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	0.566 ON MAY 19	0 ON JUL 18 *	---	1910
1912	---	1.06 ON APR 6	---	---	1912
1913	---	---	---	---	1913
1914	---	0.736 ON MAY 11	---	---	1914
1915	---	6.91 ON JUN 3	---	---	1915
1916	---	6.77 ON JUL 2	0 ON JUN 24	---	1916
1922	---	1.76 ON MAY 6	0 ON MAR 1	4 030	1922
1923	---	0.940 ON JUN 1	0.020 ON MAY 22	3 100	1923
1924	---	2.16 ON JUN 7	0.008 ON SEP 13	4 850	1924
1925	---	1.59 ON APR 25	0 ON AUG 7	6 250	1925
1926	---	1.16 ON JUN 20	0 B ON MAR 1	1 410	1926
1927	---	27.6 ON MAY 29 *	0.008B ON MAR 1	38 800	1927
1928	---	6.83 ON MAR 31	0 B ON MAR 1	15 100	1928
1929	---	2.46 ON JUN 3	0 ON AUG 18	6 180	1929
1930	---	2.01 B ON MAR 18	0 E ON AUG 28	5 150	1930
1931	---	0.139 ON APR 5	0.014 ON APR 30	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	---	0 B ON MAR 31	---	1936
				9 410	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MAMI CREEK BELOW LEAVITT-AETNA DIVERSION - STATION NO. 05AD024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.018	0.015	0.045	0.014	0.014	0.007	0.002	---	---	0.018	1961
1962	---	---	---	0.043	0.021	0.036	0.013	0.042	0.012	0.028	---	---	0.028	1962
1963	---	---	---	0.019	0.011	0.008	0.008	0.137	0.012	0.004	0.038	---	0.029	1963
1964	---	---	---	0.048	0.083	0.230	0.038	0.085	0.023	0.010	0.018	---	0.068	1964
1965	---	---	---	0.281	0.188	0.058	0.035	0.138	0.006	0.010	0.083	---	0.100	1965
1966	---	---	---	0.135	0.144	0.031	0.045	0.043	0.008	0.002	---	---	0.058	1966
1967	---	---	---	0.279	0.899	1.46	0.042	0.086	0.015	0.004	---	---	0.385	1967
1968	---	---	---	0.070	0.058	0.027	0.011	0.032	0.023	0.009	0.057	---	0.034	1968
1969	---	---	---	0.178	0.144	0.088	0.827	0.040	0.021	0.015	---	---	0.188	1969
1970	---	---	---	0.088	0.043	0.137	0.080	0.178	0.037	0.002	---	---	0.083	1970
1971	---	---	---	0.112	0.018	0.008	0.008	0.023	0.008	0.008	---	---	0.028	1971
1972	---	---	---	0.040	0.070	0.418	0.030	0.012	0.044	0.001	---	---	0.088	1972
1973	---	---	---	0.073	0.022	0.017	0.035	0.018	0.001	0.025	---	---	0.027	1973
1974	---	---	---	---	0.143	0.084	0.085	0.187	0.052	0.042	---	---	---	1974
MEAN	---	---	---	0.108	0.130	0.180	0.092	0.072	0.018	0.011	0.048	---	0.088	MEAN

LOCATION - LAT 49 06 51 N
LONG 113 37 00 W
DRAINAGE AREA, 35.2 km²
REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1966

MAMI CREEK BELOW LEAVITT-AETNA DIVERSION - STATION NO. 05AD024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1961	---	0.232 ON APR 26	0 ON OCT 18 *	304	1961
1962	---	0.323 ON OCT 7	0 ON JUN 15	514	1962
1963	---	0.821 ON AUG 11	0 ON OCT 29	530	1963
1964	---	0.987E ON JUN 8	0.003 ON JUN 24	1 280	1964
1965	---	0.548 ON AUG 24	0 ON SEP 12	1 850	1965
1966	---	0.308 ON MAY 7	0 ON JUN 6	1 070	1966
1967	---	2.48 ON MAY 31 *	0 ON OCT 17	7 300	1967
1968	---	0.340 ON MAY 24	0 ON MAY 9	530	1968
1969	---	2.38 ON JUL 8	0 ON OCT 3	3 480	1969
1970	---	0.832B ON APR 6	0 ON OCT 8	1 540	1970
1971	---	0.178 ON AUG 19	0 ON JUN 21	474	1971
1972	---	1.22 ON JUN 2	0 ON APR 1	1 600	1972
1973	---	0.188 ON APR 30	0.002 ON OCT 18	506	1973
1974	---	0.606 ON AUG 8	---	---	1974
				1 520	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 05AC009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	0.016	0.819	0.362	0.086	0.024	0.009	0	0	---	---	---	1961
1962	---	---	0 R	0.007R	0.013R	0 R	0 R	0 R	0 R	0 R	---	---	---	1962
1963	---	---	0	0	0	0.001	0.021	0.020	0.004	0.001	---	---	---	1963
1964	---	---	0.008	0.318	0.198	0.201	0.057	0.011	0.002	0.001	---	---	---	1964
MEAN	---	---	0.008R	0.268R	0.143R	0.058R	0.026R	0.010R	0.003R	0.001R	---	---	---	MEAN

LOCATION - LAT 54 28 55 N
LONG 110 58 10 W
DRAINAGE AREA, 442 km²
NATURAL FLOW

R - REVISED SINCE JAN 1980

MANATOKAN CREEK NEAR IRON RIVER - STATION NO. 05AC009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1961	---	1.36 A ON APR 9 *	0B ON MAR 1 *	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	0.828E ON APR 12	0B ON MAR 1	---	1964
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	0.352	0.148	---	---	---	---	---	---	---	---	1911
1912	---	---	---	---	0.088	0.023	0	0	0	0	---	---	---	1912
1913	---	---	0.318	0.781	0.088	0.038	0	0	0	0	---	---	0.153	1913
1914	---	---	0.403	0.534	0	0.080	0	0	0	0.139	---	---	0.146	1914
1915	---	---	1.07	0.833	0	0.040	0.223	0.123	0	0	---	---	0.262	1915
1916	---	---	---	0.039	0.585	1.56	1.65	0.021	1.14	---	---	---	---	1916
1917	---	---	0.047	3.18	0.528	0.045	0.017	0	0	0	---	---	0.470	1917
1918	---	---	0.018	1.22	0.028	0.003	0	0	0	0	---	---	0.156	1918
1920	---	---	1.14	1.56	0.323	0.036	0.026	0	0	0	---	---	0.364	1920
1921	---	---	0.751	4.30	0.287	0.102	0.007	0	0	0	---	---	0.672	1921
1922	---	---	0.119	7.59	0.238	0.015	0.049	0.023	0	0	---	---	0.885	1922
1923	---	---	0.544	1.00	0.048	0.262	0.201	0.179	0	0	---	---	0.277	1923
1924	---	0.043	0.037	0.326	0.001	0.033	0	0.005	0	0	---	---	0.048	1924
1925	---	---	1.62	1.62	0.033	0.025	0	0.006	0.087	0.022	---	---	0.448	1925
1926	---	0.128	1.63	0.043	0.004	0.015	0	0.217	0.184	0	---	---	0.262	1926
1927	---	---	0.578	2.85	1.20	0.065	0.200	0.038	0.010	0.034	---	---	0.595	1927
1928	---	---	5.24	1.56	0.137	0.025	0.285	0.068	0	0	---	---	1.05	1928
1929	---	---	0.915	1.16	0.414	0.012	0	0	0	0	---	---	0.312	1929
1930	---	0.504	0.416	0.773	0.019	0.001	0.005	0	0.058	0.010	---	---	0.159	1930
1931	---	---	0.113	0.032	0	0	---	---	---	---	---	---	---	1931
1935	---	---	---	1.54	0.145	0.037	---	---	---	---	---	---	---	1935
1936	---	---	0.121	2.04	0.032	0.008	---	---	---	---	---	---	---	1936
1937	---	---	0.078	1.55	0.017	0.005	---	---	---	---	---	---	---	1937
1938	---	---	0.645	1.04	0.214	0.151	---	---	---	---	---	---	---	1938
1939	---	---	2.52	0.219	0.030	0.375	---	---	---	---	---	---	---	1939
1940	---	---	0	3.87	0.397	0.057	---	---	---	---	---	---	---	1940
1941	---	---	2.28	0.071	0.001	0.048	---	---	---	---	---	---	---	1941
1942	---	---	0.291	0.700	0.227	1.70	---	---	---	---	---	---	---	1942
1943	---	---	4.08	1.18	0.053	0.020	---	---	---	---	---	---	---	1943
1944	---	---	0.003	0.033	0	0.057	---	---	---	---	---	---	---	1944
1945	---	---	1.11	0.022	0	0	---	---	---	---	---	---	---	1945
1946	---	---	1.88	0.108	0	0.060	---	---	---	---	---	---	---	1946
1947	---	---	1.85	3.12	0.087	0.035	---	---	---	---	---	---	---	1947
1948	---	---	0.034	5.85	---	---	---	---	---	---	---	---	---	1948
1949	---	---	0.255	0.288	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.018	1.47	0.022	0	---	---	---	---	---	---	---	1950
1951	---	---	0	5.89	1.60	0	---	---	---	---	---	---	---	1951
1952	---	---	0.036	5.04	0.171	0.002	---	---	---	---	---	---	---	1952
1953	---	---	0.682	2.24	1.06	0.265	---	---	---	---	---	---	---	1953
1954	---	---	0.008	1.04	0.137	0	---	---	---	---	---	---	---	1954
1955	---	---	0.330	5.78	1.22	0.022	---	---	---	---	---	---	---	1955
1956	---	---	0.687	1.37	0.088	0.101	---	---	---	---	---	---	---	1956
1957	---	---	0.807	3.28	0.056	0.030	0	0	0	0	---	---	0.528	1957
1958	---	---	0.836	4.03	0.064	0.001	0	0	0	0	---	---	0.615	1958
1959	---	---	2.20	0.936	0.024	0.024	0.002	0	0	0	---	---	0.389	1959
1960	---	---	3.02	0.779	0.331	0.005	0	0.002	0	0	---	---	0.520	1960
1961	---	---	0.206	0	0	5	0.005	0	0	0	---	---	0.027	1961
1962	---	---	0.374	0.055	0	0.183	0.011	0	0	0	---	---	0.075	1962
1963	---	---	0.894	0.201	0.002	0.080	0.485	0	0	0	---	---	0.184	1963
1964	---	---	0.379	0.849	0.387	0	0	0	0.042	0	---	---	0.218	1964
1965	---	---	0	5.12	0.331	1.44	0.401	0.002	0.028	0.003	---	---	1.02	1965
1966	---	---	2.87	0.828	0.182	0.244	0.072	0	0	0	---	---	0.476	1966
1967	---	---	0.183	3.26	2.10	0.112	0	0	0	0	---	---	0.702	1967
1968	---	---	0.188	0.086	0.017	0.043	0	0	0.044	0	---	---	0.048	1968
1969	---	---	0.197	3.72	0.034	0.002	0.002	0	0	0	---	---	0.485	1969
1970	---	---	0.140	2.09	0.181	0.380	0.052	0	0	0	---	---	0.380	1970
1971	---	---	0.040	1.48	0.111	0.048	0.002	0	0	0	---	---	0.207	1971
1972	---	---	1.70	0.081	0.023	0	0	0	0	0	---	---	0.228	1972
1973	---	---	0.123	0	0	0.243	0	0	0	0	---	---	0.045	1973
1974	---	---	0.450	1.38	0.401	0.078	0.070	0	0	0	---	---	0.285	1974
1975	---	---	0	1.38	1.69	0.714	0.001	0.007	0	0.001	---	---	0.471	1975
1976	---	---	1.89	0.388	0.028	0.213	0.001	0.072	0	0	---	---	0.323	1976
1977	---	---	0.012	0	0.031	0.005	0.001	0	0	0	---	---	0.008	1977
1978	---	---	0.572	2.54	0.730	0.023	0.208	0	0.191	0	---	---	0.527	1978
1979	---	---	3.34	2.12	0.352	0.007	0.001	0	0	0	---	---	0.728	1979
1980	---	---	0.198	0.058	0	0	0	0	0	0	---	---	0.032	1980
1981	---	0.823	0.024	0	0.058	0.014	0.177	0	0	0	---	---	0.034	1981
1982	---	0	0.156	3.08	0.542	0.818	0.001	0.004	0	0	---	---	0.540	1982
1983	---	0.374	0.747	0.014	0.202	0.002	0.198	0	0	0	---	---	0.147	1983
1984	---	0	0.142	0.545	0.001	0	0	0	0	0	---	---	0.024	1984
MEAN	---	0.239	0.824	1.89	0.254	0.145	0.085	0.017	0.038	0.005	---	---	0.355	MEAN

LOCATION - LAT 49 21 30 N DRAINAGE AREA, 338 km²
LONG 110 43 30 W NATURAL FLOW

MANYBERRIES CREEK AT BRODIN'S FARM - STATION NO. 05AF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	6.23 E ON JUL 1	0 ON JUN 5 *	---	1911
1912	---	---	0 ON JUN 28	---	1912
1913	---	2.15 ON MAY 14	0 ON MAR 1	3 240	1913
1914	---	2.38 ON MAR 14	0 ON MAR 1	3 070	1914
1915	---	8.52 ON MAR 25	0 ON MAR 1	5 540	1915
1916	---	28.6 ON JUN 11	---	---	1916
1917	---	8.92 ON APR 9	0 ON MAR 1	9 930	1917
1918	---	10.4 ON APR 17	0 ON MAR 1	3 380	1918
1920	---	6.65 ON APR 14	0B ON MAR 1	8 130	1920
1921	52.1 AT 07:00 MST ON APR 14	41.3 ON APR 14	0 ON JUN 12	14 200	1921
1922	58.5 AT 13:00 MST ON APR 21	50.7 ON APR 21	0 ON MAR 1	20 800	1922
1923	14.5 AT 07:00 MST ON AUG 10	4.42 ON AUG 10	0B ON MAR 1	5 670	1923
1924	---	2.27 ON APR 7	0B ON MAR 14	1 050	1924
1925	21.2 B AT 07:00 MST ON MAR 30	13.4 B ON MAR 29	0B ON MAR 1	9 500	1925
1926	14.0 B ON MAR 3	7.86 E ON MAR 4	0 ON MAY 22	5 540	1926
1927	24.4 AT 13:00 MST ON MAY 23	17.6 ON MAY 23	0B ON MAR 1	12 800	1927
1928	58.7 B ON MAR 20	43.9 B ON MAR 21	0B ON MAR 1	22 200	1928
1929	13.0 AT 07:00 MST ON MAR 28	10.5 ON APR 30	0B ON MAR 1	6 600	1929
1930	8.20 ON APR 4	5.30 ON APR 3	0 ON MAY 28	3 380	1930
1931	---	0.884 ON MAR 20	0 ON MAR 10	---	1931
1935	22.5 AT 07:00 MST ON APR 17	17.0 E ON APR 16	0 ON JUN 11	---	1935
1936	---	11.9 ON APR 12	0B ON MAR 1	---	1936
1937	16.6 ON APR 10	13.9 ON APR 10	0B ON MAR 1	---	1937
1938	6.23 AT 08:00 MST ON APR 10	5.80 ON APR 10	0B ON MAR 1	---	1938
1939	20.4 B AT 08:00 MST ON MAR 22	16.4 B ON MAR 21	0B ON MAR 1	---	1939
1940	27.3 AT 11:00 MST ON APR 21	24.7 ON APR 21	0B ON MAR 1	---	1940
1941	---	14.0 ON MAR 20	0 ON MAR 1	---	1941
1942	31.1 AT 07:00 MST ON JUN 26	22.7 ON JUN 26	0B ON MAR 1	---	1942
1943	85.8 AT 07:00 MST ON MAR 29 *	54.1 ON MAR 29 *	0 ON MAR 1	---	1943
1944	---	1.41 ON JUN 13	0B ON MAR 1	---	1944
1945	3.54 AT 08:00 MST ON MAR 21	3.45 ON MAR 23	0B ON MAR 1	---	1945
1946	9.57 AT 08:00 MST ON MAR 20	9.46 ON MAR 20	0B ON MAR 1	---	1946
1947	27.3 AT 08:00 MST ON APR 2	20.7 ON APR 1	0B ON MAR 1	---	1947
1948	---	31.7 ON APR 17	0B ON MAR 1	---	1948
1949	---	1.59 ON MAR 25	0 ON MAR 1	---	1949
1950	---	8.13 ON APR 14	0 ON MAR 1	---	1950
1951	---	24.5 ON APR 5	0B ON MAR 1	---	1951
1952	---	24.3 ON APR 13	0B ON MAR 1	---	1952
1953	---	10.5 ON APR 24	0B ON MAR 1	---	1953
1954	---	8.50 B ON APR 9	0B ON APR 1	---	1954
1955	30.9 ON APR 9	27.1 ON APR 8	0B ON MAR 1	---	1955
1956	---	7.48 B ON MAR 26	0B ON MAR 1	---	1956
1957	19.2 AT 15:00 MST ON APR 1	15.5 ON APR 1	0B ON MAR 1	11 200	1957
1958	28.0 A AT 09:00 MST ON APR 4	24.6 A ON APR 4	0 ON MAY 28	13 100	1958
1959	16.7 B AT 23:00 MST ON MAR 28	10.6 ON MAR 27	0B ON MAR 1	6 450	1959
1960	15.0 AT 13:00 MST ON MAR 27	11.9 ON MAR 27	0B ON MAR 1	11 000	1960
1961	1.78 AT 01:15 MST ON MAR 17	1.23 ON MAR 17	0B ON MAR 7	582	1961
1962	8.30 AT 12:00 MST ON JUN 15	3.40 ON JUN 14	0B ON MAR 1	1 800	1962
1963	8.78 AT 11:00 MST ON JUL 1	6.71 ON JUL 1	0 ON MAY 8	3 850	1963
1964	8.28 AT 12:00 MST ON APR 2	5.61 ON APR 2	0 ON MAR 1	4 630	1964
1965	---	27.1 ON APR 14	0B ON MAR 1	21 700	1965
1966	---	7.65 ON MAR 31	0B ON MAR 1	10 100	1966
1967	14.8 AT 12:00 MST ON APR 26	11.3 ON APR 11	0B ON MAR 1	14 800	1967
1968	1.38 AT 03:00 MST ON JUN 9	0.7835 ON MAR 1	0B ON MAR 13	958	1968
1969	23.3 AT 04:00 MST ON APR 3	16.4 ON APR 3	0B ON MAR 1	10 300	1969
1970	32.6 AT 05:50 MST ON APR 7	15.4 ON APR 7	0B ON MAR 1	7 400	1970
1971	5.44 AT 09:30 MST ON APR 7	4.06 ON APR 7	0B ON MAR 1	4 380	1971
1972	24.0 AT 11:30 MST ON MAR 17	15.3 ON MAR 17	0B ON MAR 1	4 880	1972
1973	4.16 AT 08:45 MST ON JUN 18	2.61 ON JUN 18	0 ON MAR 24	958	1973
1974	7.48 AT 11:50 MST ON MAR 30	5.07 ON MAR 30	0B ON MAR 1	6 240	1974
1975	18.8 AT 03:30 MST ON JUN 20	11.8 ON JUN 20	0B ON MAR 1	9 970	1975
1976	23.7 B AT 03:50 MST ON MAR 18	12.7 B ON MAR 18	0B ON MAR 4	8 630	1976
1977	1.84 AT 07:00 MST ON MAY 18	0.753 ON MAY 18	0B ON MAR 18	128	1977
1978	8.58 AT 08:30 MST ON MAR 31	6.82 ON MAR 31	0B ON MAR 1	11 200	1978
1979	13.5 AT 16:15 MST ON MAR 18	12.3 ON MAR 17	0B ON MAR 1	15 400	1979
1980	---	0.8508 ON MAR 21	0B ON MAR 1	884	1980
1981	5.10 AT 23:00 MST ON JUL 13	2.57 ON JUL 14	0 ON MAR 20	728	1981
1982	---	16.6 B ON APR 14	0B ON MAR 1	11 400	1982
1983	---	6.45 B ON MAR 11	0 ON APR 13	3 110	1983
1984	---	1.54 B ON MAR 21	0B ON MAR 1	498	1984
			MEAN	7 530	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 05AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.570	0.321	0.032	0.036	0.012	0.001	---	---	---	---	1981
1982	---	---	---	0	0	0.001	0.008	0.058	0.139	0.070	---	---	0.039	1982
MEAN	---	---	---	0.285	0.161	0.017	0.022	0.035	0.070	0.070	---	---	0.039	MEAN

LOCATION - LAT 54 31 25 N
LONG 110 18 41 W
NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

MARIE CREEK BELOW ETHEL LAKE - STATION NO. 08AC901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.921 AT 18:42 MST ON APR 24 *	0.632 ON APR 24 *	0 ON AUG 28 *	---	1981
1982	0.249 AT 08:02 MST ON SEP 14	0.231 ON SEP 25	0B ON APR 1	720	1982
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		720	MEAN

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	0.179	0.481	0.213	0.081	0.137	0.063	0.033	0.025	---	1962
1963	0.018	0.018	0.014	0.026	0.170	0.590	0.486	0.136	0.072	0.047	0.032	0.023	0.135	1963
1964	0.018	0.015	0.014	0.025	0.166	0.953	0.319	0.072	0.068	0.087	0.039	0.025	0.181	1964
1965	0.020	0.018	0.014	0.031	0.114	0.688	0.450	0.196	0.148	0.204	0.081	0.043	0.167	1965
1966	0.028	0.022	0.022	0.033	0.282	0.570	0.298	0.103	0.067	0.048	0.031	0.024	0.128	1966
1967	0.018	0.018	0.014	0.018	0.170	0.805	0.311	0.069	0.038	0.032	0.024	0.018	0.128	1967
1968	0.018	0.014	0.014	0.017	0.148	0.534	0.271	0.134	0.104	0.086	0.040	0.030	0.117	1968
1969	0.022	0.018	0.018	0.068	0.384	0.594	0.474	0.090	0.048	0.038	0.028	0.019	0.147	1969
1970	0.014	0.014	0.012	0.012	0.138	0.617	0.185	0.081	0.040	0.031	0.022	0.017	0.088	1970
1971	0.014	0.013	0.012	0.028	0.295	0.821	0.226	0.073	0.038	0.032	0.023	0.015	0.132	1971
1972	0.014	0.013	0.015	0.021	0.234	0.672	0.336	0.128	0.078	0.068	0.034	0.023	0.152	1972
1973	0.018	0.017	0.018	0.020	0.223	0.842	0.267	0.083	0.068	0.047	0.036	0.026	0.123	1973
1974	0.018	0.015	0.014	0.037	0.142	0.814	0.307	0.128	0.086	0.083	0.038	0.025	0.148	1974
1975	0.018	0.015	0.014	0.015	0.087	0.483	0.278	0.142	0.082	0.049	0.033	0.025	0.102	1975
1976	0.018	0.017	0.015	0.035	0.373	0.437	0.272	0.207	0.161	0.077	0.038	0.026	0.140	1976
1977	0.020	0.017	0.015	0.035	0.177	0.254	0.082	0.144	0.123	0.073	0.036	0.027	0.085	1977
1978	0.020	0.017	0.015	0.027	0.173	0.681	0.285	0.108	0.080	0.071	0.041	0.026	0.127	1978
1979	0.018	0.017	0.016	0.020	0.174	0.394	0.142	0.085	0.038	0.027	0.018	0.015	0.078	1979
1980	0.012	0.011	0.010	0.052	0.343	0.537	0.118	0.099	0.130	0.101	0.041	0.028	0.123	1980
1981	0.023	0.018	0.017	0.034	0.488	0.650	0.419	0.193	0.082	0.037	0.026	0.018R	0.168R	1981
1982	0.008	0.011	0.012	0.018	0.119	0.606	0.214	0.068	0.055	0.050	0.027	0.021	0.101	1982
1983	0.015	0.013	0.012	0.024	0.183	0.344	0.244	0.078	0.041	0.030	0.021	0.014	0.088	1983
1984	0.015	0.012	0.011	0.020	0.082	0.438	0.184	0.057	0.047	0.062	0.028	0.018	0.080	1984
MEAN	0.018	0.015	0.014	0.027	0.211	0.602	0.277	0.108	0.080	0.061	0.034	0.023R	0.123	MEAN

LOCATION - LAT 50 57 01 N
LONG 115 09 08 W
DRAINAGE AREA, 9.40 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

MARMOT CREEK MAIN STEM NEAR SEEBE - STATION NO. 05BF015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	0.831 ON JUN 17	0.820 ON JUN 18	---	---	1962
1963	1.75 AT 01:00 MST ON JUN 30	1.89 ON JUN 30	0.013 ON MAR 4	4 250	1963
1964	2.18 AT 07:30 MST ON JUN 8	1.95 ON JUN 8	0.010 ON MAR 24	4 780	1964
1965	1.78 AT 04:00 MST ON JUN 18	1.58 ON JUN 18	0.013 ON MAR 23	5 250	1965
1966	0.928 AT 20:00 MST ON MAY 31	0.861 ON JUN 1	0.018 ON MAR 14	4 040	1966
1967	1.06 AT 18:00 MST ON JUN 19	1.02 ON JUN 18	0.014 ON MAR 2	4 080	1967
1968	0.898 AT 20:30 MST ON JUN 2	0.758 ON JUN 3	0.012 ON FEB 18	3 700	1968
1969	1.08 AT 17:40 MST ON JUN 29	1.08 ON JUN 29	0.012 ON DEC 28	4 840	1969
1970	1.35 AT 17:10 MST ON JUN 16	1.28 ON JUN 16	0.010 ON JAN 8	3 080	1970
1971	2.39 AT 04:00 MST ON JUN 6 *	2.18 ON JUN 6 *	0.010 ON DEC 11	4 180	1971
1972	1.57 AT 17:00 MST ON JUN 10	1.45 ON JUN 10	0.012 ON FEB 14	4 800	1972
1973	1.05 AT 19:10 MST ON JUN 23	0.897 ON JUN 23	0.014 ON MAR 20	3 880	1973
1974	2.14 AT 17:10 MST ON JUN 17	1.85 ON JUN 17	0.013 ON MAR 13	4 890	1974
1975	0.748 AT 18:00 MST ON JUN 24	0.683 ON JUN 24	0.012 ON APR 4	3 220	1975
1976	0.880 AT 18:00 MST ON MAY 27	0.814 ON MAY 28	0.014 ON MAR 11	4 430	1976
1977	0.544 AT 22:00 MST ON JUN 1	0.456 ON JUN 5	0.014 ON MAR 18	2 680	1977
1978	1.17 AT 18:15 MST ON JUN 5	1.02 ON JUN 6	0.014 ON MAR 3	4 000	1978
1979	0.771 AT 17:00 MST ON MAY 28	0.593 ON MAY 27	0.013A ON DEC 10	2 480	1979
1980	0.825 AT 10:35 MST ON JUN 11	0.862 ON JUN 11	0.009E ON MAR 26	3 900	1980
1981	1.51 AT 18:40 MST ON MAY 26	1.42 ON MAY 26	0.006RE ON DEC 31	5 230R	1981
1982	1.09 AT 20:23 MST ON JUN 18	1.03 ON JUN 18	0.002 ON JAN 5 *	3 170	1982
1983	0.798 AT 19:35 MST ON MAY 28	0.639 ON MAY 28	0.010E ON DEC 24	2 720	1983
1984	0.784 AT 20:59 MST ON JUN 15	0.730 ON JUN 16	0.010 ON MAR 20	2 540	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		3 800R	MEAN

MARMOT CREEK NEAR THE MOUTH - STATION NO. 05BF016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	0.179	0.481	0.213	0.081	0.137	---	---	---	---	1962
MEAN	---	---	---	---	0.179	0.481	0.213	0.081	0.137	---	---	---	---	MEAN

LOCATION - LAT 50 58 50 N
LONG 115 08 30 W
DRAINAGE AREA, 11.8 km^2
NATURAL FLOW

MARMOT CREEK NEAR THE MOUTH - STATION NO. 05BF015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	0.620 ON JUN 18 *	---	---	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MARTIN CREEK NEAR NORDEGG - STATION NO. 05DC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	0.174	0.018	0.005	0.001	---	---	---	1915
1916	0	0	0	0.022	0.044	0.027	0.053	0.053	0.033	0.013	0.005	0	0.021	1916
1917	0	0	0	0.007	0.078	0.037	0.020	0.005	0.005	0.003	0.002	0	0.013	1917
1918	0	0	0.001	---	---	---	---	---	---	---	---	---	---	1918
MEAN	0	0	0	0.015	0.060	0.032	0.082	0.025	0.015	0.006	0.004	0	0.017	MEAN

LOCATION - LAT 52 28 00 N, LONG 116 04 20 W DRAINAGE AREA, 3.03 km^2, NATURAL FLOW

MARTIN CREEK NEAR NORDEGG - STATION NO. 05DC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	5.69 ON JUN 26 *	---	---	1915
1916	---	0.142 ON MAY 27	0B ON JAN 1 *	858	1916
1917	---	0.196 ON MAY 20	0 ON JAN 1	410	1917
1918	---	---	0B ON JAN 1	---	1918
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		534	MEAN

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	3.48R	2.71R	3.27R	2.17R	---	1981
1982	1.34	1.10	1.30	11.8	28.3	17.4	15.8	18.1	10.3	7.68	5.24	4.80	10.5	1982
1983	4.90	4.81	5.08	8.59	9.83	6.19	19.8	15.7	8.83	7.28	5.58	4.07	8.88	1983
1984	2.61	2.67	4.84	11.4	23.4	29.8	11.9	7.03	4.88	4.28	4.20	2.94	9.12	1984
MEAN	2.82	2.79	3.73	10.5	20.8	18.4	18.1	13.8	7.11R	5.53R	4.57R	3.50R	9.43	MEAN

LOCATION - LAT 54 41 10 N, LONG 110 01 35 W DRAINAGE AREA, 5 350 km^2, NATURAL FLOW

R - REVISED SINCE JAN 1980

MARTINEAU RIVER ABOVE COLD LAKE - STATION NO. 06AF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	78.6B AT 07:00 MST ON APR 25 *	46.5B ON APR 26	1.09B ON FEB 13 *	331 000	1982
1983	34.8 AT 12:46 MST ON JUL 26	34.6 ON JUL 26	2.55B ON DEC 30	279 000	1983
1984	50.8 AT 15:17 MST ON JUN 1	48.7 ON JUN 1 *	1.57B ON DEC 19	288 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		298 000	MEAN

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. 05PA014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.003	0.011	0.012	---	---	---	1972
1973	---	---	0.024	0.051	0.005	0.030	0.181	0.034	0	---	---	---	---	1973
1974	---	---	0	2.03	0.265	0.097	0.214	0.018	0.009	0.009	---	---	0.335	1974
1975	---	---	0.003	0.325	0.155	0.025	0.004	0.010	0.007	0.005	---	---	0.068	1975
1976	---	---	0.003	0.111	0.005	0.002	0	0	0	0	---	---	0.015	1976
1977	---	---	0.002	0.027	0.055	0.029	0.005	0.004	0.005	0.004	---	---	0.017	1977
1978	---	---	0.081	0.105	0.025	0.011	0.005	0.021	0.054	0.034	---	---	0.038	1978
1979	---	---	0.185	0.171	0.035	0.011	0.010	0.012	0.007	0.004	---	---	0.065	1979
1980	---	---	0.012	0.257	0.019	0.027	0.022	0.145	0.180	0.070	---	---	0.082	1980
1981	---	---	0.391	0.082	0.032	0.011	0.005	0.115	0.011	0.013	---	---	0.085	1981
1982	---	---	0	1.16	0.128	0.191	0.155	0.004	0.007	0.011	---	---	0.201	1982
1983	---	---	0.113	0.570	0.064	0.030	0.178	0.031	0.003	0.006	---	---	0.122	1983
1984	---	---	0.027	0.037	0.010	0.013	0	0	0.019	0.015	---	---	0.015	1984
MEAN	---	---	0.068	0.409	0.068	0.038	0.071	0.030	0.025	0.015	---	---	0.095	MEAN

LOCATION - LAT 52 47 05 N, LONG 113 37 48 W DRAINAGE AREA, 73.3 km^2, NATURAL FLOW

MASKWA CREEK NO. 1 ABOVE BEARHILLS LAKE - STATION NO. OSFA014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	0 ON JUL 12 *	---	1972
1973	---	2.86 ON JUL 1	0 B ON MAR 1	---	1973
1974	---	8.10 ON APR 20 *	0 B ON MAR 1	8 870	1974
1975	---	1.81 B ON APR 20	0.002 ON JUL 24	1 400	1975
1976	---	0.5078 ON APR 7	0 ON JUN 27	326	1976
1977	---	0.130 ON MAY 18	0.0018 ON MAR 1	384	1977
1978	---	0.2978 ON MAR 29	0 B ON MAR 1	830	1978
1979	1.288 AT 21:45 MST ON APR 18	0.9248 ON MAR 18	0 B ON MAR 1	1 160	1979
1980	1.08 AT 10:45 MST ON AUG 28	0.788 ON AUG 28	0 B ON MAR 1	1 940	1980
1981	---	1.38 B ON MAR 15	0 ON SEP 12	2 000	1981
1982	5.45 AT 19:50 MST ON APR 21 *	5.28 ON APR 22	0 B ON MAR 1	4 260	1982
1983	1.868 AT 08:40 MST ON APR 2	1.47 B ON APR 2	0 ON AUG 29	2 590	1983
1984	---	0.1138 ON MAR 30	0 B ON MAR 1	316	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 000	MEAN

MASKWA CREEK NO. 2 ABOVE BEARHILLS LAKE - STATION NO. OSFA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.008	0.010	---	---	---	1972
1973	---	---	0.037	0.088	---	---	---	---	---	---	---	---	---	1973
MEAN	---	---	0.037	0.088	---	---	---	---	0.008	0.010	---	---	---	MEAN

LOCATION - LAT 52 48 50 N DRAINAGE AREA, 102 km^2
LONG 113 37 00 W NATURAL FLOW

MASKWA CREEK NO. 2 ABOVE BEARHILLS LAKE - STATION NO. OSFA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	0B ON MAR 1 *	---	1973
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. OSCJ007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	1.21	2.42	4.81	10.0	3.30	3.47	---	---	---	1954
1955	---	---	---	---	2.21	2.87	4.83	5.08	1.15	1.73	---	---	---	1955
1956	---	---	---	---	0.555	5.86	5.73	4.30	4.82	4.76	---	---	---	1956
1957	---	---	-	---	0.770	6.70	6.28	4.16	1.97	3.72	---	---	---	1957
1958	---	---	---	---	1.28	7.12	6.16	5.06	1.86	1.72	---	---	---	1958
1959	---	---	---	---	1.05	3.35	5.76	5.87	1.86	2.69	---	---	---	1959
1960	---	---	---	---	0.504	6.19	7.62	5.84	2.35	3.01	---	---	---	1960
1961	---	---	---	---	0.805	5.88	6.00	5.96	3.06	3.02	---	---	---	1961
1962	---	---	---	---	2.26	6.72	6.22	6.04	1.89	2.97	---	---	---	1962
1963	---	---	---	---	1.88	7.88	4.30	5.69	1.90	3.71	---	---	---	1963
1964	---	---	---	---	1.50	7.40	5.36	5.62	1.96	2.62	---	---	---	1964
1965	---	---	---	---	0.718	7.06	6.22	6.23	2.21	3.17	---	---	---	1965
1966	---	---	---	---	0.882	6.42	6.14	5.72	2.64	4.16	---	---	---	1966
1967	---	---	---	---	2.47	4.06	6.47	6.29	4.68	4.17	---	---	---	1967
1968	---	---	---	---	3.00	6.37	6.20	5.75	3.68	4.20	---	---	---	1968
1969	---	---	---	---	2.04	6.01	6.32	5.79	2.94	2.79	---	---	---	1969
1970	---	---	0.387	0.855	1.08	5.44	4.08	6.27	3.36	2.83	---	---	3.01	1970
1971	---	---	0.583	8.72	1.26	6.10	7.33	7.10	3.78	2.31	---	---	4.83	1971
1972	---	---	1.36	0.872	2.50	7.81	6.87	6.86	4.08	2.76	---	---	4.37	1972
1973	---	---	0.918	0.717	1.80	6.92	6.56	6.77	4.27	2.86	---	---	3.74	1973
1974	---	---	0	3.32	1.17	6.31	7.76	7.14	5.14	3.74	---	---	4.31	1974
1975	---	---	0	1.34	1.81	2.91	5.57	6.26	3.58	2.76	---	---	3.04	1975
1976	---	---	1.81	1.27	2.73	6.66	7.47	6.16	2.07	2.81	---	---	3.96	1976
1977	---	---	0.133	0.813	2.46	4.89	6.86	6.10	1.84	1.56	---	---	2.79	1977
1978	---	---	0.589	1.44	0.862	2.14	6.06	5.71	2.12	3.84	---	---	2.86	1978
1979	---	---	0.742	0.443	0.482	5.37	7.87	6.71	3.70	2.60	---	---	3.47	1979
1980	---	---	0.238	2.15	3.22	6.47	6.62	6.00	3.09	2.32	---	---	3.77	1980
1981	---	---	0.607	0.313	0.785	7.76	7.86	6.84	3.43	2.82	---	---	3.86	1981
1982	---	---	0.340	0.850	1.88	6.38	7.13	7.02	3.76	3.32	---	---	3.77	1982
1983	---	---	0.858	0.888	2.07	7.86	7.06	6.38	3.18	3.93	0.346	---	3.83	1983
1984	---	---	0.409	0.358	1.78	6.80	6.48	6.86	2.78	3.06	0.162	---	3.46	1984
MEAN	---	---	0.582	1.86	1.67	5.92	6.64	6.66	2.96	2.96	0.245	---	3.63	MEAN

LOCATION - LAT 56 50 40 N DRAINAGE AREA, 2 480 km^2
LONG 111 56 10 W REGULATED

MATZHIWIN CREEK ABOVE WARE COULEE - STATION NO. 05CJ007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	38.9 ON AUG 7 *	---	---	1954
1955	---	14.7 ON MAY 17	0 ON SEP 7 *	---	1955
1956	---	14.4 ON AUG 3	---	---	1956
1957	---	10.3 ON JUL 22	---	---	1957
1958	---	12.3 ON JUL 1	---	---	1958
1959	---	7.99 ON AUG 2	---	---	1959
1960	---	12.3 ON JUL 3	---	---	1960
1961	---	10.1 ON JUL 18	---	---	1961
1962	---	11.0 ON JUL 15	---	---	1962
1963	---	19.5 ON JUN 23	---	---	1963
1964	---	32.0 ON JUN 17	---	---	1964
1965	---	13.2 ON JUN 18	---	---	1965
1966	---	10.6 ON JUN 25	---	---	1966
1967	---	---	---	---	1967
1968	---	17.0 ON SEP 23	---	---	1968
1969	---	20.5 ON JUN 30	---	---	1969
1970	19.1 AT 13:30 MST ON JUN 14 *	17.3 ON JUN 14	0 B ON MAR 1	83 800	1970
1971	---	31.1 B ON APR 8	0 B ON MAR 1	98 000	1971
1972	---	11.0 ON JUL 25	0 B ON MAR 1	82 500	1972
1973	18.7 AT 17:00 MST ON JUN 15	17.2 ON JUN 15	0 B ON MAR 1	78 200	1973
1974	12.1 B AT 10:50 MST ON APR 8	9.43 ON JUN 27	0 B ON MAR 1	91 300	1974
1975	---	9.26A ON AUG 4	0 B ON MAR 1	84 200	1975
1976	10.4 AT 07:30 MST ON JUN 26	10.3 ON JUN 26	0 B ON MAR 1	83 500	1976
1977	8.12 AT 00:30 MST ON JUL 12	8.55 ON JUL 12	0.014B ON MAR 1	59 100	1977
1978	12.2 AT 19:50 MST ON AUG 24	11.9 ON AUG 24	0 B ON MAR 1	58 100	1978
1979	12.7 AT 07:30 MST ON AUG 4	12.4 ON AUG 4	0 B ON MAR 1	73 400	1979
1980	11.8 AT 15:00 MST ON MAY 28	11.4 ON MAY 28	0 B ON MAR 1	79 800	1980
1981	12.7 AT 02:40 MST ON JUN 15	12.5 ON JUN 15	0.131 ON MAY 5	77 500	1981
1982	14.0 AT 08:02 MST ON JUL 3	13.8 ON JUL 3	0 B ON MAR 1	79 800	1982
1983	12.3 AT 18:41 MST ON JUL 3	12.0 ON JUL 4	0.1128 ON MAR 7	81 100	1983
1984	17.3 AT 19:38 MST ON JUL 31	15.7 ON JUL 31	0.0388 ON MAR 18	73 000	1984
				78 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MATZHIWIN CREEK NEAR DUCHESS - STATION NO. 05CJ005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	7.37	6.73	6.40	1.41	4.53	---	---	---	1951
1952	---	---	---	---	---	11.3	8.08	6.72	4.17	---	---	---	---	1952
MEAN	---	---	---	---	---	9.34	7.91	7.56	2.79	4.53	---	---	---	MEAN

LOCATION - LAT 50 49 10 N, LONG 111 49 40 W DRAINAGE AREA, 2 820 km^2, NATURAL FLOW

MATZHIWIN CREEK NEAR DUCHESS - STATION NO. 05CJ005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	0 ON SEP 11 *	---	1951
1952	---	---	---	---	1952
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MAYNARD COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	0.002	0.040	0.020	---	---	---	---	0.004	0.004	---	---	---	1925
1926	---	0.003	0.020	---	---	---	---	---	---	---	---	---	---	1926
1927	---	---	0.003	0.020	0.005	0.001	0.038	0.018	0.002	0	---	---	---	1927
1928	---	---	0.003	---	---	---	---	---	---	---	---	---	---	1928
1930	---	0.048	0	0	0	---	---	---	---	---	---	---	---	1930
MEAN	---	0.018	0.014	0.013	0.048	0.001	0.038	0.018	0.003	0.002	---	---	---	MEAN

LOCATION - LAT 49 04 10 N, LONG 110 28 30 W DRAINAGE AREA, 20.5 km^2, NATURAL FLOW

MAYNARD COULEE NEAR ONEFOUR POST OFFICE - STATION NO. 11AA024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	0.314 ON APR 23	OD ON FEB 1 *	---	1925
1926	---	---	OD ON FEB 1	---	1926
1927	---	0.991E ON MAY 23 *	OD ON MAR 1	---	1927
1928	---	---	OD ON MAR 1	---	1928
1930	---	0.303B ON FEB 18	OD ON FEB 1	---	1930
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.002	0	0	0	0	---	---	---	1976
1977	---	---	0.001	0.006	0.001	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.030	0.010	0.003	0.003	0	0	0.001	0.001	---	---	0.005	1978
1979	---	---	0.100	0.098	0.048	0	0.006	0	0	0	---	---	0.031	1979
1980	---	---	0.002	0	0	0	0	0	0	0	---	---	0	1980
1981	---	0.001	0	0	0	0.005	0	0	0	0	---	---	0.001	1981
1982	---	0.002	0.029	0.077	0.034	0.388	0.010	0	0	0	---	---	0.052	1982
1983	---	0.002	0.005	0.007	0.070	0.005	0.005	0	0	0	---	---	0.012	1983
1984	---	0	0.005	0.002	0	0	0	0	0	0	---	---	0.001	1984
MEAN	---	0.001	0.022	0.028	0.020	0.032	0.002	0	0	0	---	---	0.013	MEAN

LOCATION - LAT 49 47 40 N DRAINAGE AREA, 20.5 km^2
LONG 110 11 03 W REGULATED

MCALPINE CREEK (EAST FORK) NEAR ELKWATER LAKE - STATION NO. 05AH043

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	OE ON JUN 1 *	---	1976
1977	0.078 AT 19:30 MST ON APR 5	0.037 ON APR 5	OD ON MAR 1	20.8	1977
1978	---	0.093B ON MAR 18	OD ON MAR 1	124	1978
1979	---	0.381B ON MAR 8	0 ON JUN 8	867	1979
1980	---	0.014B ON MAR 18	OD ON MAR 1	5.44	1980
1981	0.198 AT 11:10 MST ON JUN 14	0.132 ON JUN 14	0 ON MAR 1	12.8	1981
1982	2.11 AT 21:09 MST ON JUN 3 *	1.44 ON JUN 3 *	OD ON MAR 2	1 090	1982
1983	0.341 AT 21:04 MST ON MAY 18	0.210 ON MAY 18	0 ON MAR 22	249	1983
1984	---	0.013B ON MAR 19	OD ON MAR 8	26.9	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		275	MEAN

MCALPINE CREEK AT SCHNELL'S RANCH - STATION NO. 05AH007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	0.150	0.034	0	0	---	---	---	---	---	---	1913
1914	---	---	0.056	0.082	0.001	0	0	0	0	0.089	---	---	---	1914
MEAN	---	---	0.056	0.116	0.018	0	0	0	0	0.089	---	---	---	MEAN

LOCATION - LAT 49 51 30 N DRAINAGE AREA, 124 km^2
LONG 110 03 40 W NATURAL FLOW

MCALPINE CREEK AT SCHNELL'S RANCH - STATION NO. 05AH007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	0.447 ON APR 5	0 ON APR 28 *	---	1913
1914	---	0.963 ON OCT 8 *	0 ON MAR 1	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	---	0.331	0.307	---	---	---	1913
1914	---	---	---	---	1.42	0.817	0.387	0.181	0.188	0.438	---	---	0.588	1914
1915	---	---	---	---	1.31	---	---	---	---	---	---	---	---	1915
1975	---	---	---	---	---	---	---	---	---	0.117	---	---	---	1975
1976	---	---	---	---	1.48	0.720	0.310	0.853	0.230	0.102	---	---	0.834	1976
1977	---	---	---	---	0.384	0.270	0.082	0.082	0.107	0.088	---	---	0.188	1977
1978	---	---	---	---	1.07	1.12	0.853	0.220	0.110	0.088	---	---	0.528	1978
1979	---	---	---	---	1.02	0.885	0.159	0.087	0.087	0.052	---	---	0.384	1979
1980	---	---	---	---	0.870	0.550	0.174	0.087	0.082	0.084	---	---	0.321	1980
1981	---	---	---	---	1.88	1.25	0.382	0.143	0.084	0.081	---	---	0.828	1981
1982	---	---	---	---	---	---	---	0.088	0.058	0.074	---	---	---	1982
1983	---	---	---	---	0.631	0.845	0.238	0.108	0.072	0.081	---	---	0.288	1983
1984	---	---	---	---	0.373	0.718	0.173	0.077	0.081	0.088	---	---	0.243	1984
MEAN	---	---	---	---	1.08	0.787	0.288	0.204	0.115	0.128	---	---	0.422	MEAN

LOCATION - LAT 49 38 04 N
LONG 114 31 12 W
DRAINAGE AREA, 32.8 km²
NATURAL FLOW

MCGILLIVRAY CREEK NEAR COLEMAN - STATION NO. 05AA013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	1.95 ON MAY 3	0.091 ON SEP 10	9 380	1914
1915	---	---	---	---	1915
1975	---	---	---	---	1975
1976	4.78 AT 14:40 MST ON AUG 8	2.81 ON AUG 8	0.082 ON OCT 15	10 100	1976
1977	0.750 AT 02:30 MST ON MAY 11	0.711 ON MAY 11	0.023 ON AUG 11 *	2 670	1977
1978	4.11 AT 01:00 MST ON JUN 8	2.88 ON JUN 8	0.068A ON OCT 31	8 380	1978
1979	3.58 AT 22:10 MST ON MAY 28	2.83 ON MAY 28	0.041 ON SEP 25	8 250	1979
1980	1.87 AT 03:30 MST ON MAY 27	1.88 ON MAY 27	0.033 ON SEP 11	5 100	1980
1981	8.89 AT 08:00 MST ON MAY 28 *	8.03 ON MAY 28 *	0.048 ON SEP 18	8 990	1981
1982	---	---	---	---	1982
1983	1.70 AT 03:48 MST ON MAY 30	1.52 ON MAY 28	0.058 ON OCT 31	4 680	1983
1984	---	1.09 E ON MAY 31	0.0348 ON OCT 28	3 870	1984
				5 710	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	0	9.15	26.3	27.4	25.5	25.7	26.2	3.34	---	18.5	1976
1977	---	---	---	10.4	20.6	30.8	15.4	19.5	23.8	26.7	8.85	---	18.7	1977
1978	---	---	---	2.03	20.0	7.33	26.1	25.7	9.84	0.034	0	---	11.8	1978
1979	---	---	---	0	10.8	28.4	29.2	25.1	19.7	4.32	0	---	14.7	1979
1980	---	---	---	0	25.2	32.6	26.2	25.5	24.7	5.27	0	---	17.9	1980
1981	---	---	---	0.232	26.9	26.0	26.1	32.4	29.4	18.6	0.010	---	20.5	1981
1982	---	---	---	0	14.6	28.5	26.6	27.5	27.3	9.57	0	---	17.3	1982
1983	---	---	---	0	16.9	26.6	33.6	26.6	23.0	23.0	1.38	---	19.6	1983
1984	---	---	---	4.01	21.9	32.9	27.4	26.0	26.7	21.5	---	---	---	1984
MEAN	---	---	---	1.85	18.7	27.0	27.4	26.7	23.5	15.9	1.87	---	17.5	MEAN

LOCATION - LAT 50 35 20 N
LONG 113 55 25 W
REGULATED SINCE 1976

MCGREGOR LAKE INFLOW NEAR MILO - STATION NO. 05AC024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	30.8 ON OCT 14	0 ON APR 1 *	380 000	1976
1977	---	34.3 ON NOV 5	0 ON APR 1	418 000	1977
1978	---	30.6 ON JUL 10	0 ON APR 1	248 000	1978
1979	---	31.9 ON JUN 15	0 ON APR 1	311 000	1979
1980	---	36.1 ON MAY 22	0 ON APR 1	377 000	1980
1981	---	38.0 ON JUL 8	0 ON APR 1	431 000	1981
1982	---	33.0 ON MAY 28	0E ON APR 1	384 000	1982
1983	---	35.5 ON JUL 4	0 ON APR 1	412 000	1983
1984	---	36.8 ON JUN 8 *	0 ON APR 1	---	1984
				389 000	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	5.53	23.1	36.7	26.3	21.9	11.8	10.5	---	---	19.4	1976
1977	---	---	---	16.9	19.3	36.0	36.4	33.4	13.1	0.544	---	---	22.8	1977
1978	---	---	---	2.46	1.84	8.92	37.2	23.1	4.22	0	---	---	11.2	1978
1979	---	---	---	0	8.38	32.1	47.4	18.7	4.18	8.83	---	---	17.2	1979
1980	---	---	---	7.04	26.7	25.8	47.9	20.2	12.1	0	---	---	20.0	1980
1981	---	---	---	10.6	17.1	30.5	44.7	23.4	26.0	5.48	---	---	22.5	1981
1982	---	---	---	3.39	18.7	27.8	40.3	30.4	15.4	4.12	---	---	20.1	1982
1983	---	---	---	0	19.5	46.1	40.3	27.8	15.5	0	---	---	21.3	1983
1984	---	---	---	8.98	21.5	43.6	50.5	28.4	4.08	0	---	---	22.6	1984
MEAN	---	---	---	8.32	17.3	31.8	41.4	26.4	11.8	3.34	---	---	19.7	MEAN

LOCATION - LAT 50 15 15 N
LONG 112 49 00 W REGULATED

MCGREGOR TRAVERS CANAL NEAR CHAMPION - STATION NO. 05AC025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	36.5 ON JUN 15	0E ON APR 1 *	380 000	1976
1977	---	46.4 ON APR 28	0 ON APR 1	422 000	1977
1978	---	38.2 ON JUL 18	0E ON APR 1	206 000	1978
1979	---	51.1 ON JUL 21	0 ON APR 1	319 000	1979
1980	---	49.7 ON JUN 28	0E ON APR 1	370 000	1980
1981	---	47.9 ON JUL 10	0 ON APR 1	417 000	1981
1982	---	46.9 ON JUN 27	0 ON APR 1	372 000	1982
1983	---	53.6 ON JUN 22	0 ON APR 1	394 000	1983
1984	---	54.1 ON JUL 13 *	0 ON APR 1	418 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		384 000	MEAN

E - ESTIMATED

MCINTOSH SPRING NO. 1 NEAR NANTON - STATION NO. 05AB038

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.004	0.002	0.002	0.008	0.007	0.004	---	1968
1969	0.003	0.002	0.001	0.011	0.014	0.010	0.015	0.006	0.003	0.001	0.001	0.001	0.006	1969
1970	0	0	0	0	0.003	0.008	0.005	0.003	0.001	0.001	0.001	0.001	0.002	1970
1971	0.001	0.001	0.001	0.002	0.003	0.008	0.004	0.001	0.001	0.001	0.001	0.001	0.002	1971
1972	0.001	0	0.001	0.003	0.012	0.014	0.006	0.002	0.002	0.001	0.001	0.001	0.004	1972
1973	0.001	0.001	0.001	0.002	0.010	0.012	0.006	0.002	0.001	0.001	0.001	0.001	0.003	1973
1974	0.001	0.001	0.001	0.001	0.011	0.014	0.006	0.002	0.001	0.001	0.001	0.001	0.003	1974
1975	0.001	0.001	0	0	0.009	0.013	0.009	0.003	0.001	0	0	0	0.003	1975
1976	---	0.001	0.001	0.002	---	0.008	0.003	0.006	0.006	0.002	0.001	0.001	---	1976
1977	0.001	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0	---	---	---	1977
MEAN	0.001	0.001	0.001	0.002	0.008	0.009	0.006	0.003	0.002	0.002	0.002	0.001	0.003	MEAN

LOCATION - LAT 50 08 33 N
LONG 114 02 12 W NATURAL FLOW

MCINTOSH SPRING NO. 1 NEAR NANTON - STATION NO. 05AB038

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	0.021 ON JUL 2	0.001 ON FEB 20	180	1969
1970	---	0.008 ON JUN 23	0 ON JAN 8 *	58.3	1970
1971	0.009 AT 01:00 MST ON JUN 18	0.008 ON JUN 18	0 E ON JAN 1	61.2	1971
1972	0.023 AT 00:30 MST ON MAY 30 *	0.023 ON MAY 29 *	0 E ON JAN 31	113	1972
1973	0.018 AT 23:00 MST ON MAY 31	0.018 ON MAY 31	0.001E ON JAN 1	98.3	1973
1974	0.020 AT 08:10 MST ON MAY 24	0.020 ON MAY 23	0.001E ON JAN 1	110	1974
1975	0.018 AT 20:00 MST ON MAY 28	0.018 ON MAY 28	0 E ON MAR 11	102	1975
1976	0.007 AT 13:30 MST ON AUG 25	0.007 ON AUG 22	0 ON FEB 18	---	1976
1977	---	0.001 ON JAN 1	0 ON JAN 27	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		103	MEAN

E - ESTIMATED

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	13.5	4.50	---	1954
1955	2.58	2.72	3.26	13.8	46.4	81.0	39.9	14.2	8.40	9.18	4.20	2.67	19.9	1955
1956	2.74	2.18	2.30	11.0	33.4	33.6	17.6	16.6	14.6	8.60	5.11	4.20	13.0	1956
1957	2.44	2.48	3.78	17.0	58.6	30.6	26.2	33.9	26.3	19.2	13.9	7.38	20.0	1957
1958	5.88	4.04	3.04	23.3	52.6	59.0	53.2	8.43	8.00	6.65	3.38	1.63	19.1	1958
1959	2.69	2.30	2.65	13.1	36.6	66.3	29.6	11.3	19.2	21.6	13.1	6.92	20.6	1959
1960	4.02	2.65	3.66	8.38	38.6	61.2	43.7	14.6	8.77	7.73	4.96	3.24	18.5	1960
1961	2.30	1.50	2.66	7.21	33.8	32.3	27.3	21.6	8.89	17.1	12.1	6.06	12.6	1961
1962	2.61	2.67	4.02	30.5	56.0	43.0	43.3	26.9	23.6	12.6	10.4	3.61	21.7	1962
1963	2.25	2.43	2.81	20.6	42.6	33.6	22.7	8.21	9.30	6.66	3.61	2.33	13.2	1963
1964	3.20	2.46	2.34	5.46	64.0	92.2	23.6	16.2	69.3	31.6	11.1	5.37	25.4	1964
1965	3.26	2.62	3.16	16.5	64.0	106	97.6	23.7	66.1	26.7	10.6	7.61	35.6	1965
1966	2.90	3.67	4.13	9.94	65.5	35.7	56.9	56.0	26.6	15.9	10.7	6.64	24.6	1966
1967	3.07	2.33	3.46	7.90	45.7	65.4	20.7	10.9	4.96	4.73	3.06	2.10	16.2	1967
1968	1.46	1.12	11.7	16.2	36.4	36.2	36.2	16.6	9.61	4.63	2.96	1.96	17.7	1968
1969	2.34	1.46	3.46	22.3	26.6	26.6	67.0	106	20.4	16.3	13.4	3.94	28.0	1969
1970	1.93	2.73	3.16	7.62	40.6	44.3	13.6	6.17	5.72	4.10	2.32	1.82	11.4	1970
1971	1.60	1.66	1.67	32.6	42.0	102	76.1	14.6	11.4	12.6	6.16	3.27	24.6	1971
1972	2.47	2.23	2.37	7.73	62.6	84.7	43.2	16.3	22.9	37.4	11.0	6.60	24.6	1972
1973	4.46	3.42	3.43	14.9	64.0	46.9	21.6	13.3	8.87	10.4	6.41	4.21	18.6	1973
1974	2.71	2.06	3.16	24.3	76.1	62.4	30.4	17.1	16.7	11.6	6.26	3.62	26.6	1974
1975	2.00	1.63	1.46	4.32	28.7	30.0	24.3	8.09	8.99	4.64	2.76	2.46	9.93	1975
1976	1.91	1.98	1.67	14.9	32.2	28.6	16.7	46.7	17.2	9.64	6.02	4.06	16.2	1976
1977	2.16	2.46	1.63	8.16	66.6	61.0	46.3	43.6	46.6	26.1	6.96	4.46	26.3	1977
1976	3.01	2.63	2.76	16.4	62.4	71.2	49.3	21.6	42.6	16.2	6.12	4.64	24.6	1976
1979	1.76	1.63	4.16	9.66	46.7	46.1	24.6	14.0	7.42	6.62	3.64	2.61	13.2	1979
1980	1.60	2.06	2.04	21.2	31.6	203	60.2	26.0	34.6	17.6	12.6	6.66	35.0	1980
1981	3.67	2.64	3.66	6.62	36.6	33.1	37.6	30.4	14.3	10.4	7.61	2.16	16.6	1981
1982	1.32	1.26	1.62	4.63	46.3	46.2	111	36.2	26.6	36.6	12.6	6.11	26.2	1982
1983	3.61	2.74	3.60	14.3	26.1	36.6	36.6	6.66	6.12	6.06	6.63	3.46	13.6	1983
1984	2.39	2.17	2.63	14.6	39.0	63.0	13.7	6.37	26.7	30.7	7.24	4.06	16.4	1984
MEAN	2.62	2.36	3.21	14.1	46.6	56.6	40.6	23.6	20.6	16.3	7.66	4.11	20.1	MEAN

LOCATION - LAT 53 26 12 N
LONG 116 37 46 W
DRAINAGE AREA, 2 660 km²
NATURAL FLOW

MCLEOD RIVER ABOVE EMBARRAS RIVER - STATION NO. 07AF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1954	---	---	---	---	1954
1955	280 AT 18:30 MST ON JUN 1	247 ON JUN 1	1.44 B ON JAN 2	526 000	1955
1956	---	88.6 ON JUN 6	1.61 B ON MAR 16	410 000	1956
1957	133 AT 18:00 MST ON MAY 1	131 ON MAY 3	1.64 B ON JAN 26	632 000	1957
1958	418 AT 11:30 MST ON JUN 29	371 ON JUN 28	1.10 B ON DEC 7	806 000	1958
1959	388 AT 14:30 MST ON JUN 27	367 ON JUN 27	1.02 B ON FEB 24	648 000	1959
1960	326 AT 15:00 MST ON JUN 28	284 ON JUN 28	2.31 B ON FEB 1	585 000	1960
1961	124 AT 20:00 MST ON JUL 30	118 ON JUL 30	1.16 B ON FEB 19	406 000	1961
1962	---	116 ON MAY 20	1.22 B ON MAR 3	684 000	1962
1963	---	77.3 ON APR 30	1.75 B ON JAN 16	417 000	1963
1964	---	214 ON JUN 19	1.66 B ON JAN 16	805 000	1964
1965	---	413 ON JUN 1	1.66 B ON JAN 11	1 130 000	1965
1966	---	260 ON MAY 11 *	2.76 B ON JAN 12	783 000	1966
1967	---	170 ON JUN 16	1.42 B ON JAN 26	611 000	1967
1968	---	80.1 ON JUL 22	0.4616 ON JAN 31 *	561 000	1968
1969	---	606 ON AUG 6	1.33 B ON FEB 6	820 000	1969
1970	---	176 ON JUN 17	1.64 B ON JAN 19	359 000	1970
1971	---	270 ON JUN 10	1.36 ON JAN 16	781 000	1971
1972	---	245 ON JUN 26	2.16 B ON FEB 24	736 000	1972
1973	---	160 ON MAY 26	1.63 B ON NOV 3	585 000	1973
1974	103 AT 17:40 MST ON MAY 11	100 ON MAY 11	2.44 B ON DEC 31	656 000	1974
1975	68.6 AT 21:30 MST ON JUN 28	61.4 ON JUN 30	1.01 B ON NOV 20	313 000	1975
1976	114 AT 13:00 MST ON AUG 17	108 ON AUG 17	1.47 B ON MAR 7	482 000	1976
1977	212 AT 10:50 MST ON MAY 30	167 ON MAY 30	1.44 B ON JAN 6	893 000	1977
1978	236 AT 12:30 MST ON JUL 12	186 ON JUL 13	1.86 B ON MAR 6	763 000	1978
1979	102 AT 15:40 MST ON MAY 27	85.0 ON MAY 27	1.10 B ON JAN 19	416 000	1979
1980	1 260 AT 09:25 MST ON JUN 5 *	1 130 ON JUN 5 *	1.32 B ON JAN 10	1 110 000	1980
1981	133 AT 02:30 MST ON JUL 31	122 ON JUL 31	1.81 B ON DEC 31	502 000	1981
1982	484 AT 20:05 MST ON JUL 5	388 ON JUL 6	1.16 B ON FEB 25	688 000	1982
1983	109 AT 13:00 MST ON JUN 25	104 ON JUN 25	1.72 B ON DEC 31	406 000	1983
1984	68.7 AT 15:15 MST ON JUN 8	62.7 ON JUN 9	1.81 B ON FEB 17	487 000	1984
				636 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER NEAR CADOMIN - STATION NO. 07AF013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	3.19	14.0	4.87	2.11	3.87	5.30	---	---	---	1984
MEAN	---	---	---	---	3.19	14.0	4.87	2.11	3.87	5.30	---	---	---	MEAN

LOCATION - LAT 53 04 44 N
LONG 117 11 50 W
DRAINAGE AREA, 3.31 km²
NATURAL FLOW

MCLEOD RIVER NEAR CADOMIN - STATION NO. 07AF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	30.8 AT 08:30 MST ON JUN 15 *	26.0 ON JUN 15 *	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MCLEOD RIVER NEAR EDSON - STATION NO. 07AG002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	23.0	8.43	---	1954
1955	6.64	6.66	4.25	31.8	82.9	122	66.1	26.1	12.3	13.5	6.66	5.32	32.4	1955
1956	5.43	4.33	4.60	25.0	80.5	89.6	36.4	24.7	21.7	9.82	11.7	7.17	21.9	1956
1957	4.67	6.27	5.10	36.6	92.3	66.2	51.6	66.1	46.1	---	---	---	---	1957
MEAN	5.16	5.62	4.62	31.1	78.2	82.6	49.4	38.6	26.7	11.7	13.6	7.31	27.2	MEAN

LOCATION - LAT 53 36 00 N
LONG 116 20 00 W
DRAINAGE AREA, 6 450 km^2
NATURAL FLOW

MCLEOD RIVER NEAR EDSON - STATION NO. 07AG002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	---	385 ON JUN 2 *	2 808 ON JAN 1 *	1 020 000	1955
1956	---	204 ON JUN 6	3 518 ON FEB 26	691 000	1956
1957	---	176 ON MAY 3	---	---	1957
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		856 000	MEAN

MCLEOD RIVER NEAR ROSEVEAR - STATION NO. 07AG007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	73.1	23.2	11.1	73.1	53.7	17.1	9.15	---	1984
MEAN	---	---	---	---	---	73.1	23.2	11.1	73.1	53.7	17.1	9.15	---	MEAN

LOCATION - LAT 53 41 49 N
LONG 116 09 42 W
DRAINAGE AREA, 7 150 km^2
NATURAL FLOW

MCLEOD RIVER NEAR ROSEVEAR - STATION NO. 07AG007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	212 AT 04:35 MST ON MAY 15 *	201 ON MAY 15 *	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	70.6	61.4	78.0	36.7	21.0	11.8	8.54	---	1968
1969	4.38	2.30	2.83	41.2	83.3	36.8	119	214	55.1	39.9	17.4	10.9	71.6	1969
1970	6.55	5.07	7.54	25.1	106	97.9	46.4	28.0	14.6	10.5	---	---	41.9	1970
1971	---	---	6.61	68.0	111	286	304	38.4	28.5	43.9	---	---	111	1971
1972	---	---	4.85	27.2	161	248	108	44.0	44.5	78.0	---	---	92.0	1972
1973	---	---	11.0	81.0	170	93.8	42.7	40.9	24.0	31.6	---	---	81.8	1973
1974	---	---	7.91	108	211	76.9	76.9	36.8	32.6	23.4	---	---	71.2	1974
1975	---	---	3.59	19.8	72.0	60.7	83.7	19.5	15.8	10.8	---	---	33.2	1975
1976	---	---	5.32	59.8	92.3	47.6	40.8	66.9	34.1	18.5	---	---	43.1	1976
1977	---	---	7.08	31.0	246	131	87.3	66.4	136	67.7	---	---	100	1977
1978	---	---	12.6	66.0	126	173	114	46.8	100	46.3	---	---	83.9	1978
1979	---	---	13.8	34.4	110	102	87.3	34.1	15.8	18.4	---	---	51.7	1979
1980	---	---	6.30	75.6	73.1	443	157	68.5	92.1	43.4	---	---	119	1980
1981	---	---	13.4	33.3	94.5	81.4	65.3	66.9	22.4	16.8	---	---	46.8	1981
1982	---	---	6.32	24.6	118	79.3	313	61.7	69.5	60.3	---	---	86.9	1982
1983	---	---	7.77	41.1	84.8	82.8	117	24.8	15.9	13.8	---	---	42.2	1983
1984	---	---	9.46	38.9	83.4	76.9	23.2	14.9	77.2	56.8	---	---	47.7	1984
MEAN	5.45	4.09	7.84	49.0	117	126	107	59.5	47.8	36.4	14.7	10.2	69.6	MEAN

LOCATION - LAT 54 00 48 N
LONG 115 50 18 W
DRAINAGE AREA, 8 100 km^2
NATURAL FLOW

MCLEOD RIVER NEAR WHITECOURT - STATION NO. 07AG004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR YR OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	140 ON AUG 6	---	---	1968
1969	---	1 430E ON AUG 7	2.270 ON MAR 1 *	1 520 000	1969
1970	516 AT 18:00 MST ON JUN 17	371 ON JUN 18	6.098 ON MAR 1	887 000	1970
1971	885 AT 03:00 MST ON JUL 13	858 ON JUL 13	5.638 ON MAR 12	2 340 000	1971
1972	1 450A AT 01:00 MST ON JUN 27	1 280A ON JUN 27	4.598 ON MAR 19	1 850 000	1972
1973	282 AT 14:00 MST ON MAY 29	260 ON MAY 29	10.6 E ON MAR 1	1 310 000	1973
1974	388 AT 12:30 MST ON MAY 12	378 ON MAY 12	7.468 ON MAR 12	1 510 000	1974
1975	250 AT 15:00 MST ON JUN 30	238 ON JUN 30	3.238 ON MAR 5	704 000	1975
1976	203 AT 11:00 MST ON AUG 18	195 ON AUG 18	4.068 ON MAR 1	812 000	1976
1977	697 AT 00:30 MST ON MAY 31	608 ON MAY 31	6.298 ON MAR 22	2 120 000	1977
1978	---	368 ON JUN 18	5.508 ON MAR 3	1 780 000	1978
1979	227 AT 15:45 MST ON JUL 13	216 ON JUL 14	5.408 ON MAR 1	1 090 000	1979
1980	1 940 AT 10:35 MST ON JUN 8 *	1 780 ON JUN 8 *	5.568 ON MAR 5	2 520 000	1980
1981	---	218E ON AUG 1	5.408 ON MAR 8	988 000	1981
1982	1 230 AT 18:15 MST ON JUL 8	1 170 ON JUL 8	4.208 ON MAR 1	2 060 000	1982
1983	284 AT 08:35 MST ON JUL 4	269 ON JUL 4	7.258 ON MAR 28	894 000	1983
1984	239 AT 17:40 MST ON MAY 18	218 ON MAY 18	5.878 ON MAR 1	1 010 000	1984
				1 470 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	211	80.7	17.7	20.8	18.2	10.3	5.48	---	1914
1915	3.48	3.08	3.70	15.7	32.0	204	275	52.2	30.1	28.7	13.8	4.81	58.0	1915
1916	2.88	2.07	5.30	29.3	41.5	89.8	97.3	45.5	26.8	26.5	15.2	7.45	32.8	1916
1917	5.04	3.03	2.44	23.5	208	121	48.7	20.1	37.4	29.2	15.8	12.2	44.8	1917
1918	12.7	10.9	6.21	54.5	80.7	88.2	97.5	28.4	19.3	12.8	8.18	5.82	32.7	1918
1919	4.44	3.18	2.25	16.0	18.5	34.2	17.9	19.8	75.5	22.4	11.4	8.48	19.4	1919
1920	7.11	4.03	4.06	11.1	191	124	58.0	38.0	31.8	21.2	10.9	4.78	42.3	1920
1921	2.76	2.62	4.11	66.0	148	83.0	30.3	25.0	18.1	13.0	8.47	4.18	31.8	1921
1922	1.82	0.892	1.12	34.6	113	30.8	27.0	18.4	12.8	8.27	5.23	3.10	21.8	1922
1923	1.11	0.227	0.263	20.4	28.3	128	93.8	64.7	28.4	24.5	12.8	---	---	1923
1924	---	---	---	16.9	111	88.3	38.9	87.7	61.0	38.2	---	---	---	1924
1925	---	---	8.87	77.6	41.5	112	33.3	141	138	---	---	---	---	1925
1926	---	---	15.7	54.6	26.7	48.3	28.5	36.6	199	108	---	---	---	1926
1927	---	---	4.72	44.6	111	131	124	66.8	68.3	34.8	---	---	---	1927
1928	---	---	---	---	---	---	---	45.8	24.8	20.8	---	---	---	1928
1929	---	---	11.2	29.7	78.0	88.7	34.4	16.4	22.3	33.7	---	---	---	1929
1930	---	---	4.52	66.3	94.0	89.0	52.3	21.9	16.2	17.0	12.4	6.38	---	1930
1931	2.74	2.80	2.89	15.2	41.3	---	---	---	---	---	---	---	---	1931
1954	---	---	---	---	---	---	---	---	---	---	---	---	---	1954
1957	---	---	---	---	---	---	---	---	---	38.0	24.1	16.3	---	1957
1958	8.88	8.86	9.46	46.6	107	102	138	26.3	14.1	9.85	5.89	3.26	40.3	1958
1959	3.80	4.16	5.52	28.0	84.8	144	61.6	21.1	33.3	41.3	21.8	12.7	38.0	1959
1960	7.97	7.02	6.98	33.8	101	132	68.8	21.2	17.5	15.8	9.15	6.70	38.6	1960
1961	5.73	4.45	5.17	18.0	57.8	32.4	44.6	26.1	16.0	37.0	21.4	11.0	25.1	1961
1962	5.64	7.65	6.16	63.8	103	80.6	68.1	42.8	47.3	26.0	30.6	8.47	38.3	1962
1963	4.77	3.82	3.27	76.7	86.6	48.7	31.1	13.5	18.6	11.8	6.73	4.20	27.0	1963
1964	2.85	3.25	3.41	9.52	114	128	68.3	40.2	124	52.6	17.6	9.46	45.6	1964
1965	8.22	8.81	7.88	28.7	140	203	238	69.3	112	47.2	18.7	11.8	72.2	1965
1966	8.37	8.74	8.48	48.1	134	83.5	117	141	81.7	38.8	21.8	8.83	54.7	1966
1967	8.00	8.81	8.31	13.8	93.8	138	36.3	24.7	8.37	10.1	7.33	6.03	39.5	1967
1968	3.92	5.34	17.1	32.4	84.8	81.5	80.6	74.6	32.1	16.3	12.0	8.83	33.8	1968
1969	---	---	8.85	38.8	80.7	38.2	118	178	44.4	35.1	---	---	---	1969
1970	---	---	8.88	23.1	88.0	78.3	31.8	17.8	11.3	9.24	6.80	6.95	---	1970
1971	6.10	6.88	8.06	63.1	78.8	211	211	33.3	26.8	31.3	16.7	8.77	58.1	1971
1972	8.53	8.88	8.84	24.0	154	213	77.3	34.2	36.8	66.8	22.8	14.1	65.4	1972
1973	8.88	9.26	9.31	80.2	158	77.8	36.3	32.1	18.5	33.3	12.6	9.06	37.8	1973
1974	8.71	8.71	8.39	78.8	178	78.2	87.8	31.8	28.5	19.8	6.80	8.78	41.5	1974
1975	4.73	3.88	3.87	18.4	87.7	48.8	46.6	14.8	11.7	8.61	8.30	8.30	19.0	1975
1976	8.30	4.82	4.88	48.3	44.8	41.0	31.7	78.4	27.4	16.8	8.44	8.88	25.5	1976
1977	4.12	8.34	4.80	30.3	202	181	78.8	61.8	108	83.0	10.8	8.14	88.3	1977
1978	7.20	8.38	7.81	44.8	111	142	81.4	38.8	78.8	38.0	15.0	10.8	48.3	1978
1979	4.41	5.00	8.81	38.7	76.8	88.4	88.8	28.8	12.4	14.1	8.84	8.77	28.3	1979
1980	8.21	8.00	4.82	48.8	84.0	400	130	88.8	73.1	33.0	18.5	12.8	70.8	1980
1981	8.88	4.82	10.1 R	24.8 R	78.8	82.7	81.8	42.0	18.0	13.8	11.4	4.13	27.8R	1981
1982	3.31	2.80	3.83	13.7	82.4	73.3	281	88.3	88.0	84.8	21.8	11.2	88.8	1982
1983	7.33	8.17	7.48	33.4	48.8	88.3	78.8	17.8	12.8	12.8	11.8	4.47	24.8	1983
1984	4.31	4.14	8.88	---	---	---	---	---	---	---	---	---	---	1984
MEAN	5.33	4.83	8.10 R	38.0 R	82.8	105	78.8	45.8	43.4	28.7	13.3	7.78	38.8	MEAN

LOCATION - LAT 53 39 15 N, LONG 118 18 50 W
DRAINAGE AREA, 8 310 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

MCLEOD RIVER NEAR WOLF CREEK - STATION NO. 07AG001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	583 ON JUN 8	---	---	1914
1915	---	954 ON JUN 27	2.29 B ON FEB 19	1 780 000	1915
1916	---	294 ON JUL 5	1.70 B ON MAR 2	1 040 000	1916
1917	---	470 ON MAY 22	2.12 B ON FEB 21	1 410 000	1917
1918	---	210 ON MAY 31	3.81 B ON NOV 28	1 030 000	1918
1919	---	317 ON SEP 8	1.59 B ON MAR 18	612 000	1919
1920	---	467 ON MAY 9	2.12 B ON DEC 28	1 340 000	1920
1921	---	264 ON MAY 15	1.90 B ON FEB 18	895 000	1921
1922	---	248 ON MAY 2	0.5688 ON FEB 17	681 000	1922
1923	---	255 ON JUN 28	0.0968 ON MAR 3 *	---	1923
1924	---	203 ON MAY 4	---	---	1924
1925	---	515 ON AUG 17	---	---	1925
1926	---	326 ON SEP 4	---	---	1926
1927	---	283 B ON APR 28	---	---	1927
1928	---	521 ON JUL 6	---	---	1928
1929	---	138 ON MAY 17	---	---	1929
1930	---	191 ON JUN 1	---	---	1930
1931	---	83.1 ON MAY 8	1.50 B ON MAR 11	---	1931
1954	2 270 ON JUN 8 *	---	---	---	1954
1957	---	---	---	---	1957
1958	885A AT 17:00 MST ON JUN 29	880 A ON JUN 30	2.38 B ON NOV 28	1 270 000	1958
1959	419 AT 03:00 MST ON JUN 28	374 ON JUN 28	1.70 B ON FEB 22	1 140 000	1959
1960	473 AT 18:00 MST ON JUN 28	408 ON JUN 27	2.97 B ON MAR 21	1 160 000	1960
1961	188 AT 04:00 MST ON JUL 31	188 ON JUL 31	3.40 B ON MAR 18	782 000	1961
1962	287 AT 18:00 MST ON MAY 20	241 ON MAY 21	4.25 B ON JAN 28	1 210 000	1962
1963	---	272 ON APR 27	2.27 B ON MAR 22	851 000	1963
1964	398 AT 02:00 MST ON MAY 8	371 ON MAY 8	2.48 B ON FEB 3	1 440 000	1964
1965	954 AT 11:00 MST ON JUN 1	838 ON JUN 1	4.13 B ON APR 3	2 280 000	1965
1966	569 AT 12:00 MST ON MAY 11	481 ON JUL 5	5.10 B ON FEB 14	1 730 000	1966
1967	294 AT 15:00 MST ON JUN 10	274 ON JUN 10	3.09 B ON DEC 14	831 000	1967
1968	133 AT 10:34 MST ON AUG 7	129 ON AUG 7	1.70 B ON FEB 16	1 040 000	1968
1969	2 020 AT 02:02 MST ON AUG 7	1 400 ON AUG 7	---	---	1969
1970	428 AT 07:30 MST ON JUN 17	388 ON JUN 17	---	---	1970
1971	623 AT 16:30 MST ON JUL 12	617 ON JUL 12	3.34 B ON JAN 23	1 630 000	1971
1972	1 180 AT 17:00 MST ON JUN 28	1 040 ON JUN 28	5.38 B ON FEB 4	1 750 000	1972
1973	331 AT 23:40 MST ON MAY 28	292 ON MAY 29	7.93 B ON JAN 25	1 180 000	1973
1974	340 AT 22:50 MST ON MAY 11	326 ON MAY 12	4.84 B ON JAN 26	1 310 000	1974
1975	190 AT 03:00 MST ON JUN 30	177 ON JUN 30	3.57 B ON MAR 30	598 000	1975
1976	196 AT 21:10 MST ON AUG 17	175 ON AUG 18	3.57 B ON DEC 6	805 000	1976
1977	561 AT 14:30 MST ON MAY 30	518 ON MAY 30	3.40 B ON JAN 10	1 780 000	1977
1978	374 AT 20:20 MST ON JUL 12	314 ON JUN 18	4.18 B ON FEB 13	1 550 000	1978
1979	154 AT 05:20 MST ON JUL 13	151 ON JUL 13	2.90 B ON JAN 22	831 000	1979
1980	1 880 AT 16:15 MST ON JUN 5	1 710 ON JUN 5 *	4.15 B ON MAR 5	2 230 000	1980
1981	192 AT 07:20 MST ON JUL 31	179 ON JUL 31	2.27 B ON DEC 31	859 000R	1981
1982	1 100 AT 03:38 MST ON JUL 6	986 ON JUL 6	2.08 B ON JAN 6	1 780 000	1982
1983	210 AT 04:00 MST ON JUL 4	198 ON JUL 4	3.70 B ON DEC 29	782 000	1983
1984	---	---	---	---	1984
				1 250 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

MEADOW CREEK AT HART'S RANCH - STATION NO. 05AB005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	0.414	0.233	0.178	---	---	---	1908
1909	---	---	---	---	1.01	0.841	0.524	0.274	0.118	0.105	---	---	---	1909
1910	---	---	---	0.103	0.070	0.018	0	0	0.008	0.040	---	---	---	1910
1911	---	---	---	0.149	0.208	0.128	0.052	0.307	0.721	0.344	---	---	---	1911
1912	---	---	---	0.381	0.301	0.221	0.273	0.154	0.118	0.083	---	---	---	1912
1913	---	---	---	---	---	0.181	0.246	0.124	0.068	0.038	0.050	---	---	1913
1914	---	---	---	0.198	0.050	0.028	0.001	0.005	0.008	0.118	---	---	---	1914
1915	---	---	---	0.185	0.518	0.888	0.940	0.595	0.258	0.217	---	---	---	1915
1916	---	---	0.787	0.211	0.277	0.789	0.413	0.194	0.235	0.202	---	---	---	1916
1917	---	---	---	0.220	1.53	2.08	0.584	0.242	0.183	0.143	---	---	---	1917
1918	---	---	---	0.089	0.038	0.026	0.002	0.001	0.012	0.014	---	---	---	1918
1919	---	---	0.051	0.089	0.026	0.001	---	---	---	---	---	---	---	1919
1922	---	---	0.050	0.223	0.228	0.041	0.078	0.003	0	0	---	---	---	1922
1923	---	---	0.057	0.181	0.284	3.67	0.852	0.182	0.088	0.088	---	---	---	1923
MEAN	---	---	0.239	0.183	0.388	0.714	0.302	0.188	0.152	0.120	---	---	---	MEAN

LOCATION - LAT 49 58 00 N, LONG 113 45 00 W
DRAINAGE AREA, 102 km^2
NATURAL FLOW

MEADOW CREEK AT HART'S RANCH - STATION NO. 05AB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	2.89 ON MAY 24	---	---	1909
1910	---	0.198 ON MAY 10	0 ON JUN 19 *	---	1910
1911	---	1.49 ON SEP 5	---	---	1911
1912	---	0.634 ON JUL 3	---	---	1912
1913	---	0.736 ON JUN 26	---	---	1913
1914	---	---	0 ON JUN 17	---	1914
1915	---	4.96 ON AUG 20	---	---	1915
1916	---	1.36 B ON MAR 10	---	---	1916
1917	---	11.2 ON MAY 29	---	---	1917
1918	---	---	0 ON JUL 11	---	1918
1919	---	0.425E ON APR 1	0 ON MAR 1	---	1919
1922	---	1.13 ON APR 28	0E ON MAR 1	---	1922
1923	---	23.7 ON JUN 1 *	---	---	1923
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	0.080	0.078	0.278	0.088	0.078	0.018	0.027	---	---	---	1966
1967	---	---	0.283R	0.232R	2.10 R	1.70 R	0.226	0.123	0.058	0.070	---	---	0.595R	1967
1968	---	---	0.058	0.112	0.093	0.108	0.028	0.012	0.036	0.046	---	---	0.061	1968
1969	---	---	0.917	0.788	0.357	0.393	0.490	0.108	0.085	0.063	---	---	0.401	1969
1970	---	---	0.054	0.107	0.108	0.066	0.018	0	0	---	---	---	0.048	1970
1971	---	---	0.069	0.234	0.070	0.122	0.013	0	0	---	---	---	0.065	1971
1972	---	---	0.581	0.485	0.580	0.351	0.102	0.044	0.034	0.062	---	---	0.282	1972
1973	---	---	0.069	0.088	0.104	0.108	0.006	0	0	---	---	---	0.047	1973
1974	---	---	0.152	0.212	0.319	0.284	0.083	0.112	0.019	0.022	---	---	0.150	1974
1975	---	---	0.006	0.336	0.526	0.565	0.248	0.126	0.057	0.055	---	---	0.252	1975
1976	---	---	0.191	0.134	0.062	0.044	0.007	0.183	0.054	0.031	---	---	0.088	1976
1977	---	---	0.010	0.067	0.020	0.002	0	0	0	0	---	---	0.015	1977
1978	---	---	0.660	0.173	0.347	0.437	0.197	0.050	0.112	0.067	---	---	0.255	1978
1979	---	---	0.137	0.264	0.492	0.224	0.048	0.018	0.005	0.008	---	---	0.148	1979
1980	---	---	0.055	0.083	0.021	0.028	0	0	0	0	---	---	0.023	1980
1981	---	---	0.021	0.007	0.263	0.253	0.142	0.049	0.021	0.044	---	---	0.100	1981
1982	---	---	0.044	0.146	0.020	0.038	0.008	0	0	0	---	---	0.031	1982
1983	---	---	0.021	0.022	0.012	0.004	0	0	0	0	---	---	0.008	1983
1984	---	---	0.003	0.002	0.001	0.002	0	0	0	0	---	---	0.001	1984
MEAN	---	---	0.188R	0.188R	0.284R	0.264R	0.096	0.047	0.025	0.028	---	---	0.143	MEAN

LOCATION - LAT 49 57 15 N, LONG 113 39 43 W
DRAINAGE AREA, 130 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

MEADOW CREEK NEAR THE MOUTH - STATION NO. 05AB029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	1.12 AT 21:00 MST ON AUG 27	0.820 ON JUL 3	---	---	1966
1967	4.86 R AT 01:45 MST ON MAY 18 *	3.34 R ON MAY 17	0.016RB ON MAR 13	12 600 R	1967
1968	0.330 AT 13:14 MST ON APR 12	0.221 ON JUN 8	0.0088 ON MAR 18	1 300	1968
1969	---	4.93 B ON MAR 18 *	0.0148 ON MAR 1	5 480	1969
1970	0.719 AT 11:00 MST ON JUN 14	0.552 ON JUN 14	0 ON AUG 2 *	978	1970
1971	---	0.4068 ON APR 6	0 ON JUL 17	1 360	1971
1972	4.45 AT 08:30 MST ON JUN 10	2.56 B ON MAR 11	0 B ON MAR 1	5 970	1972
1973	0.481 AT 07:20 MST ON MAY 28	0.368 ON MAY 28	0 ON JUL 12	880	1973
1974	1.87 AT 14:40 MST ON APR 27	1.23 B ON MAR 28	0.0018 ON MAR 9	3 170	1974
1975	2.49 AT 14:00 MST ON JUN 20	2.03 ON JUN 20	0 B ON MAR 1	5 330	1975
1976	2.89 B AT 03:40 MST ON MAR 18	1.75 B ON MAR 17	0 ON JUL 19	1 870	1976
1977	1.29 B AT 10:50 MST ON APR 5	0.4768 ON APR 3	0 ON JUN 6	315	1977
1978	---	2.41 B ON MAR 20	0.014 ON OCT 11	5 410	1978
1979	0.611 AT 10:30 MST ON MAY 18	0.576 ON MAY 19	0 B ON MAR 1	3 150	1979
1980	0.925 AT 06:35 MST ON APR 14	0.453 ON APR 14	0 ON APR 30	493	1980
1981	1.19 AT 14:00 MST ON JUN 14	0.931 ON JUN 14	0.004 ON APR 4	2 120	1981
1982	1.48 AT 03:30 MST ON APR 14	0.705 ON APR 14	0 B ON MAR 1	851	1982
1983	0.1188 AT 08:55 MST ON MAR 10	0.0839 ON MAR 10	0 ON MAY 30	158	1983
1984	0.143 AT 12:55 MST ON MAR 22	0.027 ON MAR 22	0 B ON MAR 1	20.6	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		3 020 R	MEAN

MEANDER RIVER AT OUTLET OF HUTCH LAKE - STATION NO. 07OB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	---	0.454	---	---	---	1975
1976	---	---	0.008	3.02	2.58	1.98	1.10	3.80	1.80	0.897	---	---	1.91	1976
1977	---	---	0.004	0.818	1.85	7.47	2.28	0.220	0.008	0.021	---	---	1.55	1977
1978	---	---	0.003	0.045	2.07	1.67	0.141	0.013	0.788	0.932	---	---	0.706	1978
1979	---	---	0.001	0.007	7.83	5.11	0.635	0.038	0.023	0.056	---	---	1.83	1979
1980	---	---	0.004	0.183	0.013	0.002	0	0.001	0	0	---	---	0.023	1980
1981	---	---	0	0.027	1.10	0.183	0.037	0.018	0.001	0	---	---	0.172	1981
1982	---	---	0.002	0.031	0.436	0.048	0.005	0	0	0.003	---	---	0.058	1982
1983	---	---	0	0.198	1.97	0.406	0.080	0.015	0.004	0.005	---	---	0.334	1983
1984	---	---	0.020	0.085	0.209	0.137	2.95	0.260	1.02	0.581	---	---	0.658	1984
MEAN	---	---	0.005	0.484	2.01	2.00	0.802	0.485	0.405	0.305	---	---	0.805	MEAN

LOCATION - LAT 58 48 15 N DRAINAGE AREA, 507 km²
LONG 117 23 05 W NATURAL FLOW

MEANDER RIVER AT OUTLET OF HUTCH LAKE - STATION NO. 07OB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	9.71 AT 17:30 MST ON AUG 21	9.60 ON AUG 21	0.0048 ON MAR 1	60 400	1976
1977	19.8 AT 03:50 MST ON JUN 11 *	19.3 ON JUN 11 *	0 B ON MAR 20 *	32 700	1977
1978	5.21 AT 05:00 MST ON MAY 27	5.10 ON MAY 27	0.0028 ON MAR 23	14 900	1978
1979	18.7 AT 17:00 MST ON MAY 30	18.5 ON MAY 30	0.0018 ON MAR 1	38 600	1979
1980	0.715 AT 15:00 MST ON APR 24	0.695 ON APR 24	0 B ON MAR 1	475	1980
1981	2.83 AT 15:00 MST ON MAY 4	2.71 ON MAY 5	0 B ON MAR 1	3 630	1981
1982	0.656 AT 21:30 MST ON MAY 27	0.619 ON MAY 21	0 ON JUL 21	1 400	1982
1983	2.41 AT 05:30 MST ON MAY 10	2.38 ON MAY 9	0 B ON MAR 1	7 070	1983
1984	5.69 AT 15:30 MST ON JUL 4	5.55 ON JUL 4	0 ON JUN 18	13 900	1984
				17 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1962	---	---	---	---	1.13	1.26	1.00	2.98	2.29	0.808	---	---	---	1962
1963	---	---	---	19.7	5.04	1.66	7.88	1.16	0.485	0.395	---	---	---	1963
1964	---	---	0	5.41	15.2	5.14	2.00	0.486	5.27	2.98	---	---	---	1964
1965	---	---	0.467	44.3	18.5	30.3	44.7	3.50	9.30	3.82	---	---	---	1965
1966	---	---	3.07	26.9	7.00	4.80	8.11	5.78	1.14	1.81	---	---	---	1966
1967	---	---	0	18.6	11.4	10.5	1.66	0.398	0.002	0.021	---	---	---	1967
1968	---	---	1.43	1.69	0.720	0.698	2.06	2.22	1.81	1.85	---	---	---	1968
1969	---	---	0.256	18.2	2.82	1.40	16.5	2.71	3.47	2.35	---	---	---	1969
1970	---	---	0.802	17.5	3.88	4.71	6.06	1.18	0.275	0.679	---	---	---	1970
1971	---	---	0.381	38.6	5.65	8.41	13.3	1.21	0.525	0.445	0.802	0.380	---	1971
1972	0.263	0.255	1.24	15.5	4.85	12.0	8.61	1.24	0.888	1.09	---	---	---	1972
1973	---	---	0.752	27.4	7.98	3.18	5.42	13.5	2.57	1.52	---	---	---	1973
1974	---	---	0.504	40.4	21.0	5.24	6.54	1.30	0.514	0.617	0.603	0.288	---	1974
1975	0.202	0.202	0.243	10.5	7.49	2.02	1.23	0.322	0.183	0.222	0.263	0.281	1.83	1975
1976	0.450	0.280	0.292	5.77	1.38	0.638	0.273	4.38	0.885	0.510	0.406	0.347	1.41	1976
1977	0.332	0.335	0.366	7.61	15.3	5.38	1.01	0.974	2.55	1.71	0.656	0.347	3.08	1977
1978	0.292	0.319	3.23	10.5	5.71	7.20	1.32	0.456	2.00	1.38	0.753	0.381	2.82	1978
1979	0.114	0.083	3.38	6.05	3.81	1.40	1.40	0.387	0.103	0.197	0.289	0.258	1.82	1979
1980	0.195	0.187	0.192	13.7	3.85	18.5	13.9	8.74	8.58	3.10	1.72	0.705	5.99	1980
1981	0.544	0.498	10.4	4.41	18.5	3.86	10.6	12.1	1.19	1.22	1.17	0.359	5.31	1981
1982	0.284	0.341	0.382	21.8	5.80	3.38	36.9	4.27	3.07	3.78	1.07	0.524	6.66	1982
1983	0.506	0.445	1.17	18.0	4.67	1.71	8.89	0.851R	0.101R	0.339	0.471	0.259	3.20R	1983
1984	0.331	0.313	2.08	4.02	3.88	2.46	0.211	0.083	0.821	0.998	0.448	0.192	1.30	1984
MEAN	0.320	0.298	1.48	17.4	7.62	5.98	8.59	2.81 R	2.12 R	1.39	0.705	0.359	3.35	MEAN

LOCATION - LAT 52 19 08 N DRAINAGE AREA, 1 810 km²
LONG 114 20 33 W NATURAL FLOW

R - REVISED SINCE JAN 1980

MEDICINE RIVER NEAR ECKVILLE - STATION NO. 05CC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1962	---	15.6 ON AUG 8	---	---	1962
1963	---	38.4 ON JUL 20	---	---	1963
1964	---	84.1 ON MAY 9	0 ON FEB 27 *	---	1964
1965	---	136 A ON JUL 14	---	---	1965
1966	---	133 B ON APR 2	---	---	1966
1967	---	47.1 ON APR 26	0 B ON MAR 1	---	1967
1968	---	6.20 ON JUL 27	0 ON MAY 26	---	1968
1969	---	108 B ON APR 8	---	---	1969
1970	---	51.0 B ON APR 8	---	---	1970
1971	---	100 ON APR 19	---	---	1971
1972	---	76.5 ON JUN 28	---	---	1972
1973	---	54.1 ON AUG 26	---	---	1973
1974	146 A AT 17:30 MST ON APR 18	133 A ON APR 19	---	---	1974
1975	---	39.4 B ON APR 21	0.051A ON SEP 23	80 700	1975
1976	56.6B ON APR 11	46.4 B ON APR 11	0.040 ON JUL 12	44 500	1976
1977	---	38.1 B ON APR 8	0.2858 ON NOV 22	86 500	1977
1978	---	32.8 B ON MAR 31	0.150E ON DEC 31	89 000	1978
1979	---	31.5 B ON APR 22	0.003E ON SEP 12	51 000	1979
1980	---	66.3 ON JUN 7	0.150E ON JAN 26	189 000	1980
1981	71.6 AT 23:40 MST ON MAY 9	69.1 ON MAY 8	0.150E ON DEC 31	188 000	1981
1982	160 AT 07:00 MST ON JUL 8 *	153 ON JUL 8 *	0.150E ON JAN 4	218 000	1982
1983	---	50.6 B ON APR 3	0.050R ON SEP 18	101 000R	1983
1984	---	13.6 B ON MAR 31	0.003 ON AUG 12	41 100	1984
				106 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.063	2.95	0.158	0.488	0.254	0.082	0.057	0.022	---	---	0.503	1972
1973	---	---	0.828	1.78	0.350	1.82	1.63	3.36	0.338	0.176	---	---	1.26	1973
1974	---	---	0.028	30.4	10.1	1.18	0.763	0.203	0.044	0.038	---	---	5.26	1974
1975	---	---	0.006	4.48	3.37	0.180	0.105	0.017	0.013	0.047	---	---	1.02	1975
1976	---	---	0.083	3.88	0.057	0.065	0.027	0.008	0.008	0.001	---	---	0.504	1976
1977	---	---	0.001	0.035	0.641	0.007	0.001	0.001	0.001	0.001	---	---	0.087	1977
1978	---	---	1.08	1.80	0.129	0.108	0.084	0.058	0.841	0.178	---	---	0.532	1978
1979	---	---	2.36	0.976	0.294	0.041	0.027	0.007	0.008	0.005	---	---	0.467	1979
1980	---	---	0.007	2.38	0.135	0.786	0.415	0.454	0.084	0.041	---	---	0.530	1980
1981	---	---	1.14	0.253	0.055	0.039	0.020	0.005	0	0	---	---	0.191	1981
1982	---	---	0.004	1.21	0.113	0.042	0.858	0.049	0.024	0.118	---	---	0.314	1982
1983	---	---	0.574	0.636	0.344	1.22	3.27	0.188	0.007	0.004	---	---	0.780	1983
1984	---	---	0.105	0.213	0.024	0.008	0.001	0	0.008	0.008	---	---	0.045	1984
MEAN	---	---	0.485	3.92	1.21	0.441	0.580	0.340	0.110	0.048	---	---	0.885	MEAN

LOCATION - LAT 52 33 10 N, LONG 112 24 40 W
DRAINAGE AREA, 1 500 km^2
NATURAL FLOW

MEETING CREEK NEAR THE MOUTH - STATION NO. 05FC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	10.1 B ON APR 8	0 B ON MAR 1 *	10 800	1972
1973	17.7 AT 01:00 MST ON AUG 11	14.9 ON AUG 11	0 B ON MAR 1	26 700	1973
1974	143 ON APR 23 *	124 ON APR 24 *	0.014 ON SEP 26	112 000	1974
1975	39.6 B AT 04:00 MST ON APR 26	33.4 B ON APR 26	0.008B ON MAR 1	21 500	1975
1976	29.2 AT 01:00 MST ON APR 9	24.7 ON APR 9	0 ON JUL 29	10 700	1976
1977	4.67 AT 04:30 MST ON MAY 17	4.42 ON MAY 17	0 B ON MAR 1	1 840	1977
1978	12.0 B AT 08:00 MST ON APR 1	9.00 B ON APR 1	0 ON AUG 1	11 300	1978
1979	9.87B AT 08:00 MST ON MAR 16	8.73 B ON MAR 17	0.003B ON MAR 1	8 880	1979
1980	10.6 B AT 10:30 MST ON APR 12	8.48 B ON APR 12	0.003B ON MAR 1	11 200	1980
1981	3.04B AT 12:40 MST ON MAR 15	2.80 B ON MAR 15	0 ON AUG 12	4 030	1981
1982	---	5.00 B ON APR 19	0 B ON MAR 1	8 840	1982
1983	---	15.1 E ON JUL 3	0.002 ON SEP 8	15 500	1983
1984	---	0.562B ON APR 1	0 ON JUN 1	880	1984
				18 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	1.20 R	0.235R	0.055R	0 R	0.008R	0.014R	0 R	0 R	---	---	0.191R	1978
1980	---	---	0.932	3.79	0.089	0.029	0.049	0.345	0.018	0.002	---	---	0.535	1980
1981	---	---	0.751	0.033	0.094	0.033	0.014	0.308	0	0.001	---	---	0.158	1981
1982	---	---	0.288	0.816	0.041	0.024	0.352	0.005	0.025	0.001	---	---	0.193	1982
1983	---	---	0.291	0.068	0.028	0.024	0.579	0.042	0	0	---	---	0.087	1983
1984	---	---	0.218	0.142	0.023	0.030	0.038	0.076	0.048	0.023	---	---	0.075	1984
MEAN	---	---	0.683R	0.847R	0.055R	0.023R	0.090R	0.132R	0.015R	0.005R	---	---	0.203	MEAN

LOCATION - LAT 51 28 17 N, LONG 112 42 59 W
DRAINAGE AREA, 1 140 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

MICHICHI CREEK AT DRUMHELLER - STATION NO. 05CE020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	5.068 B ON MAR 14	0B ON JUN 1 *	4 040R	1978
1980	---	20.8 B ON APR 14 *	0B ON MAR 1	11 300	1980
1981	8.63 AT 20:00 MST ON AUG 1 *	4.20 ON AUG 1	0 ON JUL 15	3 300	1981
1982	7.26 AT 16:24 MST ON APR 13	6.07 ON APR 13	0B ON MAR 1	4 090	1982
1983	3.65 AT 23:30 MST ON JUL 7	1.258 ON MAR 14	0 ON MAY 20	1 420	1983
1984	---	1.268 ON MAR 25	0B ON MAR 1	1 580	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		4 290R	MEAN

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	0.013	0.007	0.007	0.008	0.008	0.005	---	1910
1911	---	---	---	0.528	0.032	0.137	0.144	0.062	0.238	0.024	---	---	---	1911
1912	---	---	---	---	0.336	0.034	0.020	0.013	0.015	0.017	---	---	---	1912
1913	---	---	---	1.38	0.092	0.039	0.019	0.013	0.009	0.008	---	---	---	1913
1914	---	---	---	1.04	0.031	0.014	0.018	0.010	0.008	0.015	---	---	---	1914
1948	---	---	---	---	---	---	---	---	---	0.004	0.008	---	---	1948
1950	---	---	0	0.544	0.015	0.008	0.008	0.008	0.008	0.007	0.008	---	0.072	1950
1951	---	---	0	2.92	1.48	0.087	0.015	0.118	0.058	0.020	---	---	0.581	1951
1952	---	---	0.082	5.34	0.281	0.030	0.022	0.018	0.017	0.013	---	---	1.30	1952
1953	---	---	0.013	0.738	1.31	1.28	0.083	0.112	0.036	0.017	---	---	0.446	1953
1954	---	---	0.014	0.830	0.193	0.067	0.027	0.018	0.016	0.032	---	---	0.148	1954
1955	---	---	0.130	5.47	1.26	0.058	0.482	0.111	0.030	0.026	---	---	0.933	1955
1956	---	---	0.034	0.887	0.388	0.100	0.075	0.024	0.020	0.018	---	---	0.201	1956
1957	---	---	0.038	2.28	0.581	0.041	0.023	0.015	0.010	0.011	---	---	0.370	1957
1958	---	---	0.282	1.61	0.037	0.011	0.008	0.012	0.009	0.008	---	---	0.241	1958
1959	---	---	0.824	1.18	0.078	0.025	0.029	0.017	0.013	0.012	---	---	0.243	1959
1960	---	---	2.10	0.859	0.262	0.083	0.027	0.018	0.012	0.010	---	---	0.396	1960
1961	---	---	0.025	0.011	0.011	0.008	0.004	0.003	0.005	0.008	---	---	0.009	1961
1962	---	---	0.143	0.051	0.015	0.020	0.013	0.002	0	0.002	---	---	0.031	1962
1963	---	---	0.072	0.064	0.013	0.007	0.584	0.008	0.008	0.008	---	---	0.093	1963
1964	---	---	0.033	0.380	0.261	0.019	0.010	0.007	0.011	0.011	---	---	0.091	1964
1965	---	---	0.014	5.21	0.541	1.10	0.387	0.050	0.081	0.087	---	---	0.913	1965
1966	---	---	2.06	0.898	0.158	0.052	0.039	0.031	0.027	0.027	---	---	0.412	1966
1967	---	---	0.017	0.590	3.88	0.263	0.054	0.040	0.030	0.034	---	---	0.812	1967
1968	---	---	0.273	0.083	0.048	0.035	0.022	0.021	0.018	0.018	---	---	0.083	1968
1969	---	---	0.018	2.17	0.041	0.031	0.027	0.022	0.018	0.018	---	---	0.288	1969
1970	---	---	0.018	2.83	1.80	0.258	0.070	0.032	0.031	0.023	---	---	0.578	1970
1971	---	---	0.018	1.89	0.228	0.088	0.020	0.018	0.015	0.014	---	---	0.278	1971
1972	---	---	1.35	0.084	0.038	0.028	0.022	0.017	0.008	0.008	---	---	0.186	1972
1973	---	---	0.030	0.021	0.023	0.015	0.005	0.002	0.004	0.008	---	---	0.014	1973
1974	---	---	0.028	1.10	0.441	0.053	0.019	0.012	0.012	0.012	---	---	0.207	1974
1975	---	---	0.005	0.484	1.71	0.389	0.032	0.028	0.019	0.014	---	---	0.334	1975
1976	---	---	0.878	0.788	0.033	0.028	0.018	0.017	0.018	0.017	---	---	0.221	1976
1977	---	---	0.014	0.012	0.007	0.007	0.005	0.001	0.003	0.008	---	---	0.007	1977
1978	---	---	0.012	1.06	0.266	0.032	0.020	0.012	0.014	0.019	---	---	0.180	1978
1979	---	---	1.31	2.26	0.326	0.048	0.030	0.022	0.018	0.018	---	---	0.500	1979
1980	---	---	0.024	0.061	0.012	0.012	0.004	0.004	0.004	0.008	---	---	0.013	1980
1981	---	---	0.018	0.007	0.011	0.004	0.002	0.002	0.002	0.002	---	---	0.006	1981
1982	---	---	0	0.877	0.472	0.850	0.019	0.011	0.010	0.012	---	---	0.253	1982
1983	---	---	0.009	0.007	0.079	0.010	0.005	0.004	0.004	0.006	---	---	0.015	1983
1984	---	---	0.011	0.010	0.008	0.005	0.001	0.001	0.002	0.002	---	---	0.005	1984
MEAN	---	---	0.275	1.31	0.428	0.135	0.080	0.023	0.021	0.015	0.007	0.005	0.290	MEAN

LOCATION - LAT 49 25 29 N, LONG 110 03 09 W DRAINAGE AREA, 305 km^2 REGULATED INTERNATIONAL GAUGING STATION

MIDDLE CREEK NEAR THE SASKATCHEWAN BOUNDARY - STATION NO. 11AB009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1948	---	---	---	---	1948
1950	---	2.15 ON APR 15	0 B ON MAR 1 *	1 530	1950
1951	---	12.9 ON APR 26	0 B ON MAR 1	12 300	1951
1952	---	72.5 ON APR 15 *	0 B ON MAR 1	25 400	1952
1953	---	16.7 ON JUN 3	0 B ON MAR 1	8 440	1953
1954	---	3.26 B ON APR 14	0.003 ON JUL 11	3 080	1954
1955	---	13.1 ON APR 11	0.0148 ON MAR 1	18 800	1955
1956	---	2.89 B ON APR 7	0.014 ON SEP 15	4 270	1956
1957	---	4.33 ON APR 23	0.008 ON SEP 4	7 830	1957
1958	---	10.6 ON APR 1	0.000 ON AUG 23	5 110	1958
1959	---	5.89 ON APR 3	0.0008 ON MAR 1	5 130	1959
1960	---	8.71 ON MAR 28	0 B ON MAR 1	8 430	1960
1961	---	0.0858 ON MAR 14	0 B ON MAR 1	193	1961
1962	---	0.8378 ON MAR 28	0 B ON MAR 1	850	1962
1963	---	8.89 ON JUL 4	0.0030 ON MAR 1	1 980	1963
1964	---	2.61 ON MAY 8	0.0085 ON MAR 1	1 920	1964
1965	---	25.9 B ON APR 14	0.0148 ON MAR 1	18 300	1965
1966	---	20.4 ON MAR 30	0.0148 ON MAR 1	8 730	1966
1967	18.0 AT 13:00 MST ON MAY 18	14.5 ON MAY 18	0.0118 ON MAR 1	12 800	1967
1968	---	1.23 B ON MAR 6	0.018 ON AUG 31	1 330	1968
1969	34.5 AT 08:50 CST ON APR 7 *	23.6 ON APR 7	0.012 ON SEP 25	8 050	1969
1970	17.4 AT 06:20 MST ON APR 11	13.1 ON APR 11	0.0158 ON MAR 23	12 300	1970
1971	15.9 B AT 16:27 CST ON APR 16	9.15 B ON APR 16	0.012 ON OCT 13	5 010	1971
1972	15.5 AT 17:20 CST ON MAR 18	11.8 ON MAR 18	0.0038 ON MAR 1	4 160	1972
1973	0.127 AT 12:20 CST ON APR 30	0.102 ON APR 30	0 ON JUL 28	382	1973
1974	3.94 AT 14:47 CST ON MAY 22	2.70 ON MAY 22	0.0048 ON MAR 1	4 280	1974
1975	8.81 AT 21:30 CST ON MAY 8	8.29 ON MAY 8	0.0038 ON MAR 27	7 670	1975
1976	7.42 B AT 17:22 CST ON MAR 19	5.32 B ON MAR 19	0.012 ON AUG 27	4 880	1976
1977	0.026 AT 18:56 CST ON JUL 13	0.019 ON APR 4	0.001 ON JUN 26	154	1977
1978	2.89 B AT 18:26 CST ON APR 8	2.19 ON APR 15	0.0028 ON MAR 1	3 820	1978
1979	14.9 AT 14:36 CST ON APR 15	11.0 ON APR 15	0.0028 ON MAR 1	10 800	1979
1980	0.147 AT 19:24 CST ON APR 13	0.111 ON APR 12	0.001 ON JUL 10	262	1980
1981	---	0.0918 ON MAR 1	0.001 ON JUN 30	121	1981
1982	8.89 B AT 12:25 CST ON APR 24	8.50 B ON APR 24	0 B ON MAR 1	5 380	1982
1983	0.848 AT 18:48 CST ON MAY 16	0.544 ON MAY 17	0.002 ON AUG 19	330	1983
1984	0.066 AT 20:48 CST ON MAR 23	0.027 ON MAR 23	0 ON JUL 22	105	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 140	MEAN

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	0.020	---	---	---	---	1984
1985	---	---	---	---	---	---	0.118	0.032	0.025	---	---	---	---	1985
1986	---	---	---	---	0.044	0.100	0.071	0.022	0.011	---	---	---	---	1986
1987	---	---	---	---	0.023	0.168	0.081	0.020	0.007	0.005	0.002	0.001	---	1987
1988	0.001	0	0	0	0.022	0.118	0.074	0.033	0.022	0.017	0.005	0.003	0.025	1988
1989	0.001	0.001	---	---	0.081	0.118	0.087	0.013	0.008	0.004	0.002	0.001	---	1989
1970	0.001	0	0	0	0.019	0.132	0.042	0.010	0.005	0.004	0.003	0.001	0.018	1970
1971	0	0	0	---	---	0.132	0.045	0.013	0.005	0.004	0.001	0.001	---	1971
1972	0	0	0	0	0.019	0.132	0.074	0.033	0.011	0.010	0.004	0.001	0.024	1972
1973	0	0	0	0	0.031	0.117	0.057	0.011	0.014	0.003	0.002	0	0.020	1973
1974	0	0	0	0	0.003	0.184	0.068	0.025	0.013	0.008	---	---	---	1974
1975	---	---	---	---	---	0.078	---	---	0.012	0.008	---	---	---	1975
1976	---	---	---	---	---	0.088	0.061	0.056	0.033	---	---	---	---	1976
1977	---	---	---	---	0.036	0.073	0.015	0.038	0.034	0.014	---	---	---	1977
1978	---	---	---	---	---	---	0.078	0.024	0.018	0.018	---	---	---	1978
1979	---	---	---	---	---	---	0.027	0.008	0.008	---	---	---	---	1979
1980	---	---	---	---	0.051	0.097	0.027	0.020	0.044	0.027	---	---	---	1980
1981	---	---	---	---	0.086	0.103	0.108	0.055	0.012	0.008	---	---	---	1981
1982	---	---	---	---	---	---	0.057	0.014	0.010	0.010	---	---	---	1982
1983	---	---	---	---	---	0.101	0.058	0.013	0.003	---	---	---	---	1983
1984	---	---	---	---	---	0.053	0.035	0.008	0.008	---	---	---	---	1984
MEAN	0	0	0	0	0.033	0.110	0.064	0.024	0.015	0.010	0.002	0.001	0.022	MEAN

LOCATION - LAT 50 57 30 N DRAINAGE AREA, 1.17 km^2
LONG 115 11 58 W NATURAL FLOW

MIDDLE FORK CREEK IN CIRQUE NEAR SEEBE - STATION NO. 05BF020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	0.170 AT 18:00 MST ON MAY 30	0.153 ON MAY 29	---	---	1966
1967	0.227E ON JUN 19	0.178E ON JUN 18	0 ON MAY 1 *	---	1967
1968	0.215 AT 16:10 MST ON JUN 3	0.184 ON JUN 4	0E ON FEB 8	777	1968
1969	0.288 AT 00:00 MST ON JUL 4	0.258 ON JUL 4	---	---	1969
1970	---	0.244 ON JUN 18	0 ON JAN 30	587	1970
1971	0.261 AT 14:00 MST ON JUN 7	0.258 ON JUN 7	0 ON JAN 14	---	1971
1972	0.255 AT 12:30 MST ON JUN 11	0.235 ON JUN 11	0 ON JAN 1	747	1972
1973	0.286 AT 15:40 MST ON JUN 22	0.249 ON JUN 24	0E ON JAN 8	819	1973
1974	0.422 AT 14:40 MST ON JUN 17 *	0.386 ON JUN 17 *	0E ON JAN 1	---	1974
1975	0.178 AT 15:00 MST ON JUN 24	0.130 ON JUN 24	---	---	1975
1976	0.178 AT 20:30 MST ON JUL 1	0.167 ON JUL 1	---	---	1976
1977	0.207 AT 15:30 MST ON JUN 1	0.142 ON JUN 9	---	---	1977
1978	---	---	---	---	1978
1979	---	---	---	---	1979
1980	0.157 AT 15:30 MST ON JUN 12	0.155 ON JUN 13	---	---	1980
1981	0.139 AT 16:15 MST ON JUN 5	---	---	---	1981
1982	---	---	---	---	1982
1983	0.148 AT 21:08 MST ON JUN 8	0.144 ON JUN 9	---	---	1983
1984	0.112 AT 16:13 MST ON JUN 15	0.094 ON JUN 15	---	---	1984
				678	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BF017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.073	0.187	0.150	0.043	0.028	0.018	0.009	0.005	---	1983
1984	0.004	0.003	0.003	0.006	0.055	0.347	0.128	0.023	0.035	0.020	0.015	0.008	0.056	1984
1985	0.005	0.005	0.004	0.010	0.048	0.283	0.175	0.058	0.056	0.026	0.024	0.011	0.052	1985
1986	0.006	0.006	0.006	0.008	0.113	0.191	0.105	0.036	0.019	0.015	0.010	0.008	0.044	1986
1987	0.005	0.003	0.003	0.003	0.068	0.288	0.117	0.032	0.013	0.009	0.007	0.004	0.048	1987
1988	0.004	0.003	0.003	0.004	0.085	0.195	0.108	0.053	0.041	0.034	0.013	0.009	0.044	1988
1989	0.008	0.004	0.003	0.015	0.143	0.189	0.104	0.026	0.014	0.011	0.008	0.005	0.050	1989
1970	0.003	0.002	0.002	0.002	0.080	0.227	0.084	0.018	0.012	0.011	0.007	0.005	0.035	1970
1971	0.003	0.002	0.003	0.006	0.106	0.271	0.083	0.026	0.012	0.011	0.007	0.005	0.045	1971
1972	0.003	0.003	0.003	0.004	0.083	0.285	0.135	0.048	0.027	0.021	0.012	0.007	0.052	1972
1973	0.005	0.004	0.003	0.005	0.093	0.225	0.082	0.026	0.022	0.015	0.011	0.007	0.043	1973
1974	0.005	0.004	0.003	---	---	0.320	0.112	0.043	0.032	0.024	0.012	0.008	---	1974
1975	0.005	---	---	---	0.032	0.175	0.100	0.035	0.020	0.015	0.011	0.007	---	1975
1976	0.006	0.005	0.002	0.006	0.148	0.152	0.105	0.026	0.021	0.020	0.012	0.008	0.051	1976
1977	0.005	0.005	0.004	0.014	0.070	0.081	0.032	0.059	0.048	0.028	0.014	0.008	0.032	1977
1978	---	---	---	0.007	0.058	0.239	0.100	0.044	0.033	0.025	0.015	0.008	---	1978
1979	0.005	0.004	0.003	0.005	0.078	0.148	0.053	0.018	0.014	0.009	0.006	0.004	0.028	1979
1980	0.003	0.003	0.002	0.020	0.131	0.178	0.043	0.041	0.058	0.037	0.012	0.008	0.045	1980
1981	0.007	0.005	0.005	0.010	0.148	0.201	0.184	0.068	0.019	0.011	0.008	0.005	0.054	1981
1982	0.004	0.003	0.002	0.003	0.046	0.243	0.082	0.024	0.022	0.021	0.010	0.007	0.038	1982
1983	0.005	0.004	0.004	0.010	0.085	0.138	0.094	0.028	0.015	0.011	0.008	0.005	0.034	1983
1984	0.004	0.003	0.002	0.006	0.039	0.183	0.068	0.021	0.020	0.028	0.011	0.006	0.032	1984
MEAN	0.005	0.004	0.003	0.008	0.083	0.218	0.103	0.040	0.029	0.023	0.011	0.007	0.044	MEAN

LOCATION - LAT 50 57 34 N DRAINAGE AREA, 2.85 km^2
LONG 115 10 16 W NATURAL FLOW

MIDDLE FORK CREEK NEAR SEEBE - STATION NO. 05BF017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	0.589 AT 01:00 MST ON JUN 30	0.483 ON JUN 30	---	---	1983
1984	0.834 AT 17:00 MST ON JUN 8	0.600 ON JUN 8	0.002 ON MAR 22	1 760	1984
1985	0.589 AT 04:00 MST ON JUN 18	0.541 ON JUN 18	0.003 ON MAR 17	1 870	1985
1986	0.366 AT 15:00 MST ON MAY 28	0.269 ON MAY 30	0.004E ON MAR 15	1 380	1986
1987	0.426 ON JUN 13	0.357 ON JUN 18	0.003 ON FEB 7	1 440	1987
1988	0.402 AT 18:55 MST ON JUN 2	0.323 ON JUN 3	0.003 ON JAN 15	1 400	1988
1989	0.385 AT 20:10 MST ON JUL 3	0.371 ON JUL 4	0.003 ON MAR 8	1 570	1989
1970	0.445 AT 18:30 MST ON JUN 18	0.428 ON JUN 18	0.002 ON FEB 12	1 100	1970
1971	0.685 AT 06:00 MST ON JUN 6	0.612 ON JUN 6	0.001 ON JAN 25 *	1 400	1971
1972	0.561 AT 18:00 MST ON JUN 1	0.481 ON JUN 1	0.002 ON MAR 4	1 680	1972
1973	0.416 AT 18:30 MST ON JUN 22	0.348 ON JUN 23	0.003 ON FEB 28	1 360	1973
1974	0.707A AT 13:55 MST ON JUN 17 *	0.694A ON JUN 17 *	0.003 ON FEB 18	---	1974
1975	0.314 AT 15:45 MST ON JUN 24	0.255 ON JUN 24	---	---	1975
1976	0.311 AT 15:30 MST ON MAY 27	0.221 ON MAY 27	0.002 ON MAR 9	1 810	1976
1977	0.221 AT 17:00 MST ON JUN 1	0.153 ON JUN 9	0.004 ON FEB 14	1 020	1977
1978	0.521 AT 18:30 MST ON JUN 5	0.405 ON JUN 6	---	---	1978
1979	0.410 AT 18:30 MST ON MAY 28	0.278 ON MAY 28	0.003 ON FEB 19	910	1979
1980	0.303 AT 12:00 MST ON JUN 13	0.295 ON JUN 13	0.002 ON MAR 8	1 410	1980
1981	0.813 AT 15:35 MST ON MAY 28	0.531 ON MAY 28	0.004 ON FEB 15	1 710	1981
1982	0.460 AT 18:55 MST ON JUN 14	0.401 ON JUN 18	0.002 ON MAR 13	1 230	1982
1983	0.282 AT 12:52 MST ON MAY 29	0.247 ON MAY 29	0.003 ON MAR 23	1 070	1983
1984	0.353 AT 18:48 MST ON JUN 15	0.304 ON JUN 16	0.002 ON MAR 3	1 020	1984
				1 390	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MIDDLE STREETER CREEK NEAR HANTON - STATION NO. 05AB023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.002	0.002	0	0	0	0	0	0	0	1964
1965	0	0	0	0	0	0.007	0.006	0	0	0	0	0	0.001	1965
1966	0	0	0	0	0.001	0.018	0.003	0.001	0	0	0	0	0.002	1966
1967	0	0	0	0	0.026	0.027	0.003	0	0	0	0	0	0.008	1967
1968	0	0	0	0	0	0	0	0	0	0.001	0.001	0	0	1968
1969	0	0	0	0.009	0.012	0.024	0.022	0.002	0.001	0	0	0	0.008	1969
1970	---	---	---	---	---	---	---	---	---	---	---	---	---	1970
MEAN	0	0	0	0.002	0.007	0.013	0.006	0.001	0	0	0	0	0.002	MEAN

LOCATION - LAT 50 06 31 N
LONG 114 03 00 W
DRAINAGE AREA, 0.91 km²
NATURAL FLOW

MIDDLE STREETER CREEK NEAR HANTON - STATION NO. 05AB023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	0.008E ON MAY 1	0.008E ON MAY 1	0 ON JAN 1 *	13.1	1964
1965	0.028 AT 01:00 MST ON JUL 1	0.028 ON JUL 1	0 ON JAN 1	34.3	1965
1966	0.051 AT 02:00 MST ON JUN 7	0.048 ON JUN 8	0 ON JAN 1	51.7	1966
1967	0.096 AT 22:00 MST ON MAY 22	0.091 ON MAY 22	0 ON JAN 1	145	1967
1968	---	0.002 ON OCT 8	0 ON JAN 1	3.03	1968
1969	0.127 AT 03:50 MST ON JUN 27 *	0.122 ON JUN 27 *	0 ON JAN 1	191	1969
1970	---	---	0 ON JAN 8	---	1970
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		71.4	MEAN

E - ESTIMATED

MIDDLE STREETER SPRING NO. 1 NEAR HANTON - STATION NO. 05AB026

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	0	0	0	0	0.007	0.005	0.003	0.002	0.001	0.001	0.001	0.001	0.002	1964
1965	0	0	0	0	0.002	0.005	0.008	0.003	0.001	0.002	0.001	0.001	0.002	1965
1966	0.001	0.001	0	0.001	0.003	0.012	0.004	0.002	0.001	0.001	0.001	0.001	0.002	1966
1967	0	0	0	0	0.010	0.018	0.004	0.002	0.001	0.001	0.001	0.001	0.003	1967
1968	0	0	0	0	0.001	0.002	0.002	0.001	0.001	0.004	0.003	0.002	0.001	1968
1969	0.001	0.001	0.001	0.007	0.008	0.005	0.015	0.003	0.001	0.001	0.001	0.001	0.004	1969
1970	0	0.001	0.001	0.001	0.003	0.005	0.004	0.002	0.001	0.001	0.001	0	0.002	1970
1971	0	0	0	0.001	0.002	0.003	0.003	0.001	0.001	0.001	0	0	0.001	1971
1972	0	0	0	0.001	0.004	0.007	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1972
1973	0.001	0.001	0.001	0.001	0.007	0.007	0.002	0.001	0.001	0.001	0	0	0.002	1973
1974	0	0	0	0.001	0.010	0.008	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1974
1975	0	0	0	0	0.008	0.012	0.008	0.002	0.001	0.001	0.001	0.001	0.003	1975
1976	0.001	0.001	0	0.002	0.003	0.003	0.002	0.003	0.002	0.001	0.001	0.001	0.002	1976
1977	0.001	0.001	0	0.001	0.001	0.001	0.001	0.001	0	0	---	---	---	1977
MEAN	0	0	0	0.001	0.005	0.007	0.004	0.002	0.001	0.001	0.001	0.001	0.002	MEAN

LOCATION - LAT 50 06 32 N
LONG 114 03 04 W
NATURAL FLOW

MIDDLE STREETER SPRING NO. 1 NEAR HANTON - STATION NO. 05AB026

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1964	---	0.010E ON MAY 11	0 ON JAN 1 *	62.1	1964
1965	---	0.013E ON JUN 30	0E ON JAN 1	61.8	1965
1966	---	0.028 ON JUN 8	0 ON MAR 1	73.8	1966
1967	---	0.038 ON MAY 24	0 ON JAN 5	87.2	1967
1968	---	0.004 ON OCT 8	0E ON JAN 1	65.4	1968
1969	0.042 AT 00:00 MST ON JUL 1 *	0.040 ON JUN 29 *	0 ON DEC 30	126	1969
1970	---	0.009 ON JUN 23	0 ON JAN 1	53.8	1970
1971	0.005 AT 22:00 MST ON JUN 21	0.004 ON JUN 14	0 ON JAN 1	32.7	1971
1972	0.015 AT 20:00 MST ON JUN 1	0.015 ON MAY 31	0 ON JAN 1	84.4	1972
1973	0.014 AT 00:00 MST ON JUN 1	0.014 ON JUN 1	0 ON NOV 3	53.3	1973
1974	0.026 AT 15:40 MST ON MAY 25	0.026 ON MAY 24	0 ON JAN 1	74.4	1974
1975	0.024 AT 10:30 MST ON JUN 24	0.024 ON JUN 24	0 ON JAN 1	85.5	1975
1976	0.004 AT 00:30 MST ON AUG 23	0.004 ON MAY 23	0 ON FEB 8	48.7	1976
1977	0.001 AT 15:00 MST ON JUN 15	0.001E ON JAN 1	0 ON FEB 8	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		67.8	MEAN

E - ESTIMATED

MIDDLE STREETER SPRING NO 2 NEAR NANTON - STATION NO. 05AB035

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.002	0.001	0.001	0.003	0.002	0.001	---	1968
1969	0.001	0.001	0.001	0.004	0.005	0.004	0.005	0.002	0.001	0.001	0.001	0.001	0.002	1969
1970	0	0	0.001	0.001	0.003	0.005	0.003	0.001	0.001	0.001	0.001	0.001	0.001	1970
1971	0.001	0.001	0	0.001	0.001	0.003	0.002	0.001	0.001	0.001	0	0	0.001	1971
1972	0	0	0.001	0.001	0.008	0.004	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1972
1973	0	0.001	0.001	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1973
1974	0	0	0	0.001	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0.001	0.001	1974
1975	0	0	0	0	0.005	0.005	0.003	0.001	0.001	0.001	0.001	0.001	0.002	1975
1976	---	---	---	0.001	0.003	0.002	0.001	0.003	0.002	0.001	0.001	0.001	---	1976
1977	0.001	0	0	0.001	0.001	0.001	0.001	0	0	0	0	0	0	1977
1978	0	0	0	0	0.005	0.004	0.002	0.001	0.001	0.001	0.001	0	0.001	1978
1979	0	0	0	0	0.004	0.002	0.001	0.001	0	0	0	0	0.001	1979
1980	0	0	0	0.001	0.001	0.002	0.001	0.001	0	0	0	0	0	1980
1981	0	0	0	0	0.003	0.004	0.003	0.002	0.001	0	0	0	0.001	1981
1982	0	0	0	0	0	0.002	0.002	0.001	0.001	0	0	0	0.001	1982
1983	0	0	0	0	0.002	0.002	0.001	0.001	0	0	0	---	---	1983
MEAN	0	0	0	0.001	0.003	0.003	0.002	0.001	0.001	0.001	0.001	0.001	0.001	MEAN

LOCATION - LAT 50 05 18 N
LONG 114 03 12 W NATURAL FLOW

MIDDLE STREETER SPRING NO 2 NEAR NANTON - STATION NO 05AB035

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1969	---	0.006 ON JUN 26 *	0 ON DEC 12 *	70.1	1969
1970	---	0.006 ON JUN 19	0E ON JAN 1	67.1	1970
1971	0.005 AT 01:00 MST ON JUN 12	0.005 ON JUN 11	0 ON FEB 21	30.4	1971
1972	0.007 AT 10:00 MST ON MAY 28 *	0.007 ON MAY 28	0E ON JAN 1	68.1	1972
1973	0.006 AT 07:10 MST ON MAY 30	0.006 ON MAY 30	0 ON JAN 19	62.9	1973
1974	0.007 AT 08:30 MST ON MAY 25	0.007 ON MAY 23	0E ON JAN 1	63.3	1974
1975	0.007 AT 22:00 MST ON JUN 23	0.007 ON MAY 12	0 ON JAN 1	67.7	1975
1976	0.004 AT 23:00 MST ON AUG 15	0.004 ON AUG 13	---	---	1976
1977	0.001 AT 15:30 MST ON JUN 15	0.001E ON JAN 1	0E ON JAN 23	13.5	1977
1978	0.007 AT 17:40 MST ON MAY 31	0.007 ON MAY 31	0E ON JAN 1	62.4	1978
1979	0.005 AT 13:00 MST ON MAY 17	0.005 ON MAY 13	0 ON JAN 1	24.9	1979
1980	0.002 AT 08:00 MST ON JUN 14	0.002 ON JUN 3	0 ON JAN 1	14.7	1980
1981	0.007 AT 14:25 MST ON MAY 20	0.007 ON MAY 20	0 ON JAN 1	35.0	1981
1982	0.003 AT 13:31 MST ON JUL 7	0.003 ON JUN 12	0E ON JAN 1	18.2	1982
1983	0.003 AT 22:52 MST ON JUN 1	0.003 ON MAY 29	0 ON JAN 1	---	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38.5	MEAN

E - ESTIMATED

MIETTE RIVER NEAR JASPER - STATION NO 07AA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	43.8	34.1	11.3	8.90	8.70	3.44	1.11	---	1914
1915	0.878	0.888	0.883	4.02	19.5	26.4	23.9	14.4	8.87	4.35	2.81	1.38	8.97	1915
1916	0.843	0.787	0.848	3.88	11.3	44.3	39.8	20.1	12.3	7.88	3.38	1.81	12.2	1916
1917	0.888	1.13	0.840	1.83	14.8	36.8	31.4	10.8	7.22	11.2	8.33	3.74	10.8	1917
1918	1.76	1.48	1.24	6.20	14.6	50.2	38.8	14.3	7.37	6.09	2.88	1.84	12.0	1918
1919	1.02	0.843	0.887	3.73	18.7	34.9	37.3	15.7	8.27	3.38	2.03	0.778	10.8	1919
1920	0.731	0.888	0.808	0.838	8.17	38.7	81.8	28.8	14.1	8.88	3.08	1.88	14.0	1920
1921	1.74	1.24	0.824	---	---	---	---	---	---	---	---	---	---	1921
1973	---	---	---	---	---	---	23.8	11.8	8.44	8.10	---	---	---	1973
1974	---	---	---	2.07	10.8	68.1	38.2	14.7	8.84	7.07	---	---	---	1974
1975	---	---	---	---	10.1	33.3	38.7	14.8	7.31	4.85	8.48	3.18	---	1975
1976	1.38	1.17	1.11	2.21	23.8	34.8	38.8	28.8	13.3	8.33	3.13	1.85	13.5	1976
1977	1.14	0.883	0.808	2.14	13.3	38.4	30.4	14.8	12.8	8.38	2.38	1.38	10.4	1977
1978	0.847	0.481	0.827	1.72	12.3	47.8	31.7	13.8	28.4	10.1	3.41	2.03	12.8	1978
1979	0.813	0.708	0.833	1.13	10.8	43.4	28.8	10.3	8.87	3.48	0.883	1.02	8.88	1979
1980	0.884	0.811	0.818	4.12	23.8	32.8	18.8	11.1	8.87	8.47	3.31	3.41	8.63	1980
1981	2.01	0.848	0.883	1.48	23.8	28.8	34.8	11.7	7.37	3.13	1.83	1.88	8.82	1981
1982	0.883	0.732	0.852	0.848	8.88	84.8	34.8	14.8	11.8	8.28	2.81	1.88	11.8	1982
1983	1.18	0.837	0.884	1.88	18.4	27.3	18.1	8.88	8.87	3.88	3.72	1.34	7.88	1983
1984	0.888	0.878	0.848	1.87	8.18	44.8	30.8	12.8	18.7	7.34	3.28	1.38	10.4	1984
MEAN	1.07	0.884	0.781	2.33	14.4	38.7	32.4	14.8	10.4	8.24	3.88	1.73	10.7	MEAN

LOCATION - LAT 52 51 50 N DRAINAGE AREA, 830 km^2
LONG 118 08 21 W NATURAL FLOW

NIETTE RIVER NEAR JASPER - STATION NO. 07AA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	87.4 ON JUN 17	---	---	1914
1915	---	85.0 ON JUN 26	0.2278 ON MAR 21	283 000	1915
1916	---	88.6 ON JUN 20	0.1138 ON JAN 29 *	367 000	1916
1917	---	86.3 ON JUN 17	0.4228 ON MAR 5	330 000	1917
1918	---	88.9 ON JUN 11	0.8508 ON FEB 19	377 000	1918
1919	---	70.8 ON JUN 22	0.4598 ON MAR 12	331 000	1919
1920	---	94.6 ON JUL 2	0.1708 ON MAR 30	441 000	1920
1921	---	2.108 ON JAN 20	0.7938 ON FEB 23	---	1921
1973	91.7 AT 23:00 MST ON JUN 24	87.2 ON JUN 24	---	---	1973
1974	121 AT 03:00 MST ON JUN 23	114 ON JUN 23	---	---	1974
1975	52.4 AT 01:00 MST ON JUL 5	46.2 ON JUN 25	---	---	1975
1976	72.8 AT 24:00 MST ON JUN 19	67.4 ON JUN 20	0.5288 ON APR 5	408 000	1976
1977	80.7 AT 01:00 MST ON JUN 8	73.1 ON JUN 8	0.5888 ON MAR 21	328 000	1977
1978	57.6 AT 23:00 MST ON JUN 5	51.6 ON JUN 5	0.4628 ON FEB 14	394 000	1978
1979	83.9 AT 23:30 MST ON JUN 4	80.3 ON JUN 5	0.4008 ON JAN 15	284 000	1979
1980	49.4 AT 22:05 MST ON JUN 4	47.0 ON JUN 17	0.4008 ON JAN 30	298 000	1980
1981	89.3 AT 23:45 MST ON MAY 26	86.5 ON MAY 26	0.7058 ON FEB 12	276 000	1981
1982	86.3 AT 01:55 MST ON JUN 15	82.8 ON JUN 15	0.5808 ON MAR 30	367 000	1982
1983	88.7 AT 00:50 MST ON MAY 31	89.3 ON MAY 31	0.7608 ON DEC 28	339 000	1983
1984	123 AT 20:40 MST ON JUN 29 *	116 ON JUN 29 *	0.8508 ON MAR 1	328 000	1984
				338 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.08	2.08	---	---	---	1909
1910	---	---	---	---	5.24	3.08	0.784	0.130	1.24	1.20	---	---	---	1910
1911	---	---	---	4.07	10.3	5.85	6.51	3.30	12.0	5.74	---	---	---	1911
1912	---	---	---	19.4	9.02	3.85	3.17	1.88	1.71	2.21	---	---	---	1912
1913	---	---	---	26.7	13.5	5.89	5.02	2.41	0.893	1.86	2.28	---	---	1913
1914	---	---	---	14.2	6.48	2.91	0.736	0.397	0.854	4.74	1.84	0.573	---	1914
1915	---	---	---	---	8.52	5.35	15.6	9.09	5.77	5.55	5.47	3.25	1.19	---	1915
1916	---	---	20.7	10.9	12.4	21.7	19.2	7.43	7.47	8.00	3.84	2.05	13.2	1916
1917	---	---	---	46.1	26.9	16.3	7.85	5.26	5.26	2.17	3.31	---	---	1917
1918	---	---	---	10.1	7.25	7.79	10.6	5.51	2.75	1.22	0.943	---	---	1918
1919	---	---	---	5.53	12.0	11.7	5.46	5.80	5.20	1.83	---	---	---	1919
1920	---	---	---	25.7	35.5	14.7	15.0	11.5	1.38	0.815	---	---	---	1920
1921	---	---	---	10.3	9.43	12.0	9.90	5.01	0.615	0.442	---	---	---	1921
1922	---	---	2.24	14.5	14.2	10.7	12.5	5.07	5.50	1.78	---	---	5.70	1922
1923	---	---	3.94	9.25	11.1	23.4	14.0	9.17	4.22	0.946	---	---	9.35	1923
1924	---	---	2.27	10.1	5.76	20.2	12.5	15.1	5.50	1.01	---	---	8.40	1924
1925	---	---	---	22.5	19.5	15.5	14.4	12.5	9.31	5.74	---	---	---	1925
1926	---	---	---	6.25	11.7	14.2	14.1	3.12	5.04	1.23	---	---	---	1926
1927	---	---	---	39.1	85.0	43.4	19.7	25.1	10.9	7.26	---	---	---	1927
1928	---	---	---	17.3	12.4	23.4	27.7	15.2	7.25	3.90	---	---	---	1928
1929	---	---	12.5	19.4	16.9	25.4	13.7	11.9	5.85	4.84	---	---	14.4	1929
1930	---	---	12.5	17.0	11.3	5.84	14.5	13.0	7.88	0.53	---	---	11.0	1930
1931	---	---	---	3.15	11.3	13.8	15.3	15.5	5.38	1.02	---	---	---	1931
1932	---	---	7.54	12.3	20.1	22.7	17.0	10.1	6.04	1.11	---	---	13.1	1932
1933	---	---	7.52	18.1	22.2	17.8	18.1	15.5	9.55	3.27	---	---	13.8	1933
1934	---	---	10.4	10.5	23.6	26.5	20.5	14.0	4.57	1.71	1.99	1.19	14.5	1934
1935	1.81	12.9	5.72	18.5	18.5	17.5	20.1	14.4	9.35	1.10	---	---	12.9	1935
1936	---	---	9.82	14.2	11.7	20.1	19.0	15.0	2.48	1.42	0.807	0.247	11.5	1936
1937	0.019	0.003	1.85	15.5	20.3	19.4	15.3	15.9	7.55	2.09	0.595	0.294	13.1	1937
1938	0.121	0.455	12.5	12.3	23.5	20.2	22.0	15.5	5.57	1.45	---	---	15.0	1938
1939	---	---	5.92	4.72	17.1	21.2	15.0	14.3	1.99	0.373	---	---	10.5	1939
1940	---	---	5.77	7.74	12.1	15.5	15.0	11.5	1.37	0.802	---	---	9.75	1940
1941	---	---	2.80	2.89	13.4	17.4	17.4	9.32	3.12	0.915	---	---	8.44	1941
1942	---	---	2.34	15.5	20.3	15.2	15.7	15.3	13.5	3.73	---	---	14.5	1942
1943	---	---	10.0	17.5	5.97	15.7	15.3	15.3	14.5	5.37	---	---	13.3	1943
1944	---	---	1.52	4.44	13.7	14.5	10.0	11.1	2.55	0.412	---	---	7.29	1944
1945	---	---	5.29	2.27	17.0	21.5	17.0	14.5	15.3	4.25	---	---	12.3	1945
1946	---	---	5.20	10.3	17.5	20.3	17.2	14.7	15.5	4.02	---	---	13.3	1946
1947	---	---	33.5	19.5	13.4	15.2	17.1	17.1	15.0	3.78	---	---	17.3	1947
1948	---	---	4.59	31.7	20.0	35.3	20.4	15.0	15.2	4.30	---	---	15.5	1948
1949	---	---	3.52	11.3	17.5	17.7	15.7	14.2	11.7	1.98	---	---	11.5	1949
1950	---	---	3.83	15.1	15.4	20.1	15.5	15.5	14.7	15.5	---	---	15.4	1950
1951	---	---	15.0	25.4	21.3	25.7	25.5	22.5	17.0	5.17	---	---	21.1	1951
1952	---	---	27.2	40.5	13.2	5.57	15.5	15.7	15.4	7.95	---	---	17.7	1952
1953	---	---	4.54	23.1	25.2	62.5	12.5	15.5	15.5	5.07	---	---	22.3	1953
1954	---	---	5.59	21.0	22.1	20.4	17.7	14.2	5.55	3.31	---	---	14.5	1954
1955	---	---	3.58	23.9	24.5	15.7	25.5	15.2	11.5	3.31	---	---	15.5	1955
1956	---	---	5.55	14.5	24.1	22.1	22.7	15.1	15.3	11.4	---	---	17.4	1956
1957	---	---	12.3	13.1	25.4	23.0	15.4	15.5	13.0	3.39	---	---	15.4	1957
1958	---	---	5.73	32.2	15.4	22.7	15.4	17.1	11.7	1.87	---	---	15.0	1958
1959	---	---	15.7	21.5	25.2	23.7	17.5	17.4	15.7	5.35	---	---	19.7	1959
1960	---	---	21.3	5.27	23.5	15.7	17.1	17.5	14.0	1.15	---	---	15.5	1960
1961	---	---	3.48	12.7	15.4	20.1	17.2	15.7	14.1	3.57	---	---	13.1	1961
1962	---	---	5.35	15.5	21.5	15.5	17.5	15.1	3.80	0.850	---	---	13.5	1962
1963	---	5.80	3.10	13.7	17.5	21.5	20.0	15.0	14.5	0.783	---	---	13.7	1963
1964	---	---	1.25	14.5	23.7	31.0	13.0	15.5	20.1	3.13	---	---	15.5	1964
1965	---	---	5.12	47.5	13.3	37.4	20.2	15.7	17.7	3.55	---	---	20.5	1965
1966	---	---	13.7	11.3	15.3	21.1	20.5	15.5	17.5	3.24	---	---	15.5	1966
1967	---	---	15.0	15.7	49.5	23.2	20.5	15.3	15.4	3.13	---	---	21.5	1967
1968	---	---	11.4	14.5	25.5	25.5	21.7	21.0	20.5	5.25	---	---	15.4	1968
1969	---	---	25.5	34.4	14.3	27.1	25.5	15.0	12.3	2.12	---	---	20.2	1969
1970	---	---	7.35	12.1	20.0	25.0	15.7	15.5	13.5	1.75	---	---	14.5	1970
1971	---	---	5.10	15.2	17.5	11.5	20.7	15.5	15.5	5.45	---	---	14.5	1971
1972	---	---	33.5	14.3	25.1	24.3	22.5	21.5	21.0	11.0	---	---	21.5	1972
1973	---	---	5.50	5.01	13.1	15.4	17.5	15.7	3.25	0.445	---	---	10.0	1973
1974	---	---	7.37	20.5	25.9	20.2	21.0	15.0	15.5	2.07	---	---	17.0	1974
1975	---	---	0.463	15.0	47.0	35.2	15.5	21.5	15.5	5.15	---	---	20.5	1975
1976	---	---	11.7	11.0	22.5	24.7	22.5	21.5	17.1	5.55	---	---	17.1	1976
1977	---	---	3.12	4.41	12.4	15.3	7.41	5.23	3.22	1.02	---	---	5.87	1977
1978	---	---	43.1	15.0	12.3	15.1	20.1	20.4	15.4	2.52	---	---	15.2	1978
1979	---	---	41.5	21.5	21.2	20.5	17.9	17.4	7.81	1.03	---	---	15.7	1979
1980	---	---	7.25	20.5	20.5	24.5	15.2	15.2	11.1	1.80	---	---	15.4	1980
1981	---	---	13.5	15.1	25.5	27.2	21.2	17.1	15.3	3.47	---	---	17.5	1981
1982	---	---	5.65	25.5	22.5	24.5	15.3	2.19	0.887	1.25	---	---	13.1	1982
1983	---	---	7.65	14.1	10.5	17.4	15.3	17.1	3.91	0.455	---	---	11.3	1983
1984	---	---	5.03	5.55	5.03	15.5	15.1	15.1	1.15	0.355	---	---	9.25	1984
MEAN	0.550	4.74	10.5	15.5	19.0	20.3	15.5	14.4	9.55	3.34	2.10	0.824	14.7	MEAN

LOCATION - LAT 48 59 03 N DRAINAGE AREA, 9 490 km² INTERNATIONAL GAUGING STATION
LONG 110 20 10 W REGULATED SINCE 1917

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971

MILK RIVER AT EASTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	47.0 ON JUN 27	47.0 ON JUN 27	---	---	1911
1912	---	56.9 ON APR 8	---	---	1912
1913	---	52.7 ON APR 14	---	---	1913
1914	---	30.3 ON APR 9	0 ON AUG 3 *	---	1914
1915	---	49.68 ON MAR 24	---	---	1915
1916	---	99.1E ON JUL 3	3.40 ON SEP 29	280 000	1916
1917	---	138 ON APR 9	---	---	1917
1918	---	---	---	---	1918
1919	22.3 AT 22:00 MST ON MAY 12	18.8 ON MAY 13	---	---	1919
1920	112 AT 01:30 MST ON APR 22	96.3 ON MAY 10	---	---	1920
1921	50.1 AT 23:00 MST ON APR 4	32.8 ON APR 4	---	---	1921
1922	54.1 ON JUL 6	49.8A ON APR 24	0 B ON MAR 1	184 000	1922
1923	116 AT 13:15 MST ON JUN 21	86.8 ON JUN 21	0 B ON MAR 1	198 000	1923
1924	51.0 ON JUN 9	49.3 ON JUN 10	0.783 ON OCT 29	189 000	1924
1925	---	56.68 ON MAR 24	---	---	1925
1926	23.1 AT 02:00 MST ON JUN 23	21.2 ON JUN 23	---	---	1926
1927	238 AT 16:40 MST ON MAY 23	211 ON MAY 23 *	---	---	1927
1928	153 B AT 03:00 MST ON MAR 24	134 B ON MAR 23	---	---	1928
1929	72.5 AT 21:00 MST ON JUN 3	67.1 ON JUN 4	0.8508 ON MAR 1	305 000	1929
1930	85.0 AT 08:00 MST ON MAR 31	77.9 ON MAR 31	0.8308 ON OCT 17	232 000	1930
1931	31.1 AT 21:00 MST ON JUL 31	25.3 ON JUL 31	---	---	1931
1932	83.3A AT 11:00 MST ON JUN 16	53.5A ON JUN 17	0.957 ON OCT 18	277 000	1932
1933	51.5 AT 11:00 MST ON APR 25	43.0 ON APR 25	0 B ON MAR 1	282 000	1933
1934	84.3 AT 14:45 MST ON JUN 10	62.3 ON JUN 10	0.778 ON OCT 18	309 000	1934
1935	95.7 AT 23:00 MST ON APR 18	88.2 ON APR 19	0.1888 ON OCT 30	274 000	1935
1936	80.7 AT 00:00 MST ON APR 13	86.0 ON APR 13	0.5668 ON APR 1	280 000	1936
1937	100 AT 01:40 MST ON JUN 15	77.9 ON JUN 15	0.0038 ON MAR 1	278 000	1937
1938	54.1 AT 02:00 MST ON APR 12	43.9 ON APR 12	0.681 ON OCT 1	317 000	1938
1939	80.68 AT 02:00 MST ON MAR 19	40.2 ON JUN 24	0.0578 ON MAR 8	224 000	1939
1940	39.98 AT 18:00 MST ON MAR 5	24.58 ON MAR 6	0 B ON MAR 1	207 000	1940
1941	51.5A ON JUN 29	41.3A ON JUN 29	0.2838 ON MAR 1	179 000	1941
1942	87.2 AT 21:00 MST ON APR 4	48.1 ON JUN 5	0.1428 ON MAR 1	307 000	1942
1943	93.78 AT 18:00 MST ON MAR 30	53.2 ON MAR 31	0.7068 ON MAR 17	282 000	1943
1944	20.0 AT 10:00 MST ON AUG 8	18.1 ON AUG 9	0.1138 ON MAR 1	154 000	1944
1945	32.0 AT 17:00 MST ON JUN 9	30.9 ON JUN 9	0 ON MAR 1	261 000	1945
1946	49.3 AT 18:00 MST ON JUN 5	29.7 ON JUN 24	1.56 ON OCT 24	280 000	1946
1947	246 B AT 02:30 MST ON MAR 23	187 B ON MAR 22	0.4258 ON MAR 12	367 000	1947
1948	151 AT 02:00 MST ON JUN 20	132 ON APR 19	0.1428 ON MAR 1	388 000	1948
1949	31.4 AT 01:30 MST ON MAY 23	28.4 ON MAY 23	0.0578 ON MAR 1	249 000	1949
1950	53.2 AT 08:00 MST ON APR 19	45.9 ON APR 19	0.8508 ON MAR 8	327 000	1950
1951	158 AT 08:00 MST ON JUN 27	124 ON JUN 27	0 B ON MAR 15	447 000	1951
1952	270 AT 02:00 MST ON MAR 31	206 ON MAR 29	2.10 ON OCT 31	374 000	1952
1953	214 AT 03:00 MST ON JUN 6	189 ON JUN 5	0.8508 ON MAR 1	471 000	1953
1954	---	47.98 ON APR 7	2.69 ON OCT 28	307 000	1954
1955	134 AT 05:30 MST ON JUL 12	77.6 ON JUL 12	0 B ON MAR 1	328 000	1955
1956	63.1 AT 13:00 MST ON JUL 6	56.1 ON JUL 6	0 B ON MAR 1	368 000	1956
1957	39.1 AT 21:00 MST ON MAY 10	38.8 ON MAY 11	2.29 ON OCT 17	326 000	1957
1958	102 AT 05:00 MST ON APR 2	93.7 ON APR 2	0.4258 ON MAR 2	339 000	1958
1959	50.18 AT 13:00 MST ON MAR 25	39.1 ON MAY 22	2.55 ON OCT 28	417 000	1959
1960	115 B AT 03:00 MST ON MAR 22	83.08 ON MAR 23	0.566E ON MAR 2	327 000	1960
1961	30.6 AT 12:00 MST ON MAY 20	28.6 ON MAY 20	1.42 B ON MAR 6	277 000	1961
1962	41.98 AT 06:00 MST ON MAR 23	32.68 ON MAR 23	0.0858 ON MAR 13	286 000	1962
1963	45.9 AT 23:00 MST ON JUN 28	28.2 ON JUL 4	0.340A ON OCT 28	290 000	1963
1964	220 AT 07:00 MST ON JUN 11	164 ON JUN 11	0.623B ON MAR 10	357 000	1964
1965	303 AT 08:30 MST ON APR 5 *	169 ON APR 8	2.52 ON OCT 30	443 000	1965
1966	84.1 AT 21:00 MST ON JUN 6	82.3 ON JUN 7	0 ON MAR 1	358 000	1966
1967	195 B AT 18:45 MST ON MAR 24	150 ON MAY 10	1.78 ON OCT 16	455 000	1967
1968	85.0B AT 08:00 MST ON MAR 6	64.7 ON JUN 10	3.65 ON OCT 31	381 000	1968
1969	120 A AT 08:00 MST ON APR 13	112 ON APR 3	0.708B ON MAR 8	428 000	1969
1970	81.4 AT 23:00 MDT ON JUN 16	58.2 ON JUN 16	0.863 ON OCT 29	309 000	1970
1971	---	33.1 ON MAY 21	1.70 ON OCT 28	312 000	1971
1972	142 B AT 07:30 MST ON MAR 18	130 B ON MAR 19	0.006B ON MAR 1	481 000	1972
1973	34.5 AT 17:15 MST ON JUN 15	27.9 ON JUN 15	0.386A ON OCT 12	213 000	1973
1974	52.4 AT 08:45 MST ON MAY 21	46.4 ON MAY 3	1.10 ON OCT 30	380 000	1974
1975	238 AT 04:00 MST ON JUN 23	184 ON JUN 22	0 B ON MAR 1	436 000	1975
1976	59.2B AT 13:00 MST ON MAR 21	46.2B ON MAR 21	1.28 E ON OCT 31	383 000	1976
1977	22.5 AT 15:30 MST ON MAY 15	21.3 ON MAY 29	0.823 ON OCT 31	145 000	1977
1978	204 B AT 08:00 MST ON MAR 27	193 B ON MAR 27	0.113B ON MAR 1	385 000	1978
1979	175 B AT 16:00 MST ON MAR 8	158 B ON MAR 8	0.142B ON MAR 1	396 000	1979
1980	59.2 AT 05:00 MDT ON MAY 28	53.0 ON MAY 29	0.881 ON OCT 10	327 000	1980
1981	60.6 AT 15:00 MDT ON MAY 19	49.0 ON MAY 19	1.80 E ON OCT 31	380 000	1981
1982	148 AT 05:00 MST ON APR 14	115 ON APR 14	0.283 ON SEP 12	278 000	1982
1983	30.3 AT 15:00 MDT ON JUL 10	28.6 ON JUL 10	0.340 ON OCT 28	240 000	1983
1984	35.4 AT 16:20 MST ON AUG 2	23.0 ON AUG 4	0.227B ON OCT 31	187 000	1984
				312 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT MACKIE'S RANCH - STATION NO. 11AA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	2.31	1.06	0.980	---	---	---	1909
1910	---	---	---	3.81	3.44	2.02	0.425	0.125	0.872	0.846	---	---	---	1910
1911	---	---	---	---	7.78	7.19	2.54	1.52	4.00	2.10	---	---	---	1911
1912	---	---	---	---	5.91	2.23	1.40	1.01	0.826	1.21	---	---	---	1912
1913	---	---	---	---	9.30	6.11	2.84	1.48	0.520	1.76	---	---	---	1913
1914	---	---	---	---	---	1.70	0.424	0.291	0.324	1.87	---	---	---	1914
1915	---	---	---	2.28	3.88	7.05	3.93	1.73	3.88	2.84	---	---	---	1915
MEAN	---	---	---	3.05	5.04	4.38	1.98	1.21	1.63	1.84	---	---	---	MEAN

LOCATION - LAT 49 05 00 N DRAINAGE AREA, 1 190 km²
LONG 112 24 00 W NATURAL FLOW

MILK RIVER AT MACKIE'S RANCH - STATION NO. 11AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	6.85 ON MAY 18	---	---	1910
1911	---	27.8 ON JUN 25 *	---	---	1911
1912	---	18.9 ON MAY 22	---	---	1912
1913	---	15.7 ON APR 18	---	---	1913
1914	---	---	0 ON AUG 5 *	---	1914
1915	---	24.3 ON JUN 26	---	---	1915
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	16.8	8.47	3.85	2.22	2.03	---	---	---	1909
1910	---	---	---	5.77	4.83	2.82	0.884	0.892	1.86	1.53	---	---	---	1910
1911	---	---	---	8.72	11.2	10.1	3.84	2.56	7.15	3.38	3.86	2.23	---	1911
1912	1.07	2.19	8.62	15.6	8.29	2.86	3.57	1.76	1.63	2.20	2.56	0.374	4.08	1912
1913	0.203	0.242	0.198	21.1	11.7	7.24	3.35	2.06	1.16	2.46	1.70	1.26	4.39	1913
1914	0.712	0.274	2.61	8.86	4.26	2.02	0.713	0.616	0.784	3.76	2.26	0.783	2.32	1914
1915	0.740	0.767	7.16	4.83	5.10	12.2	7.44	4.26	5.36	5.45	3.48	1.77	4.88	1915
1916	0.881	15.6	13.6	9.41	13.8	16.3	10.0	6.39	6.18	6.13	4.28	2.67	8.67	1916
1917	1.71	1.78	2.32	39.2	23.9	16.2	10.1	10.2	6.08	2.69	3.10	1.84	9.84	1917
1918	8.26	2.00	6.11	8.36	6.86	8.40	12.5	8.03	2.49	1.12	0.941	0.641	5.41	1918
1919	0.626	0.667	1.86	5.85	14.2	11.7	10.3	10.4	5.44	2.49	0.890	0.654	5.44	1919
1920	0.741	0.611	5.48	23.7	25.1	15.2	12.8	10.5	1.18	0.817	0.986	0.527	8.18	1920
1921	0.478	0.988	2.48	10.6	9.03	12.5	9.68	4.28	0.809	0.637	0.435	0.182	4.34	1921
1922	0.045	0	0.097	15.4	12.6	10.6	11.8	8.06	5.86	1.44	0.888	0.058	5.88	1922
1923	0	0	0.594	8.51	10.8	19.4	12.5	8.49	3.17	0.848	0.580	0.308	5.38	1923
1924	0.137	0.877	1.16	9.76	10.1	19.9	13.2	10.1	4.82	0.873	0.817	0.704	8.63	1924
1925	0.129	0.232	5.11	18.6	19.5	18.5	15.1	14.6	11.2	7.57	2.34	2.25	8.63	1925
1926	1.26	1.58	2.08	4.80	12.6	13.3	13.0	3.27	4.17	0.886	0.618	0.189	4.63	1926
1927	0.068	0.058	5.24	20.6	27.8	26.0	19.4	18.0	9.41	5.08	4.02	1.98	11.7	1927
1926	7.58	3.29	16.3	14.6	10.3	22.6	23.2	16.3	5.47	4.55	3.36	1.48	11.0	1926
1929	1.23	1.04	11.7	15.9	12.6	21.3	16.1	13.3	9.04	4.67	2.04	1.33	9.23	1929
1930	0.847	10.5	8.89	14.6	10.1	12.4	15.0	12.7	6.74	1.58	1.34	1.51	8.08	1930
1931	1.08	1.19	3.10	2.80	10.8	13.8	14.7	14.1	4.20	1.77	1.47	0.461	5.85	1931
1932	0.548	3.11	7.04	10.7	20.0	17.1	17.3	17.5	6.67	1.24	1.03	0.333	8.56	1932
1933	0.282	0.587	5.18	12.2	20.7	18.3	16.7	16.1	8.30	2.62	2.40	0.835	9.11	1933
1934	1.67	7.45	8.53	12.0	23.8	22.8	21.4	16.5	2.46	1.48	1.48	0.976	10.1	1934
1935	2.20	4.62	2.76	13.5	16.0	16.8	20.7	16.6	8.86	0.780	0.286	0.547	8.82	1935
1936	0.268	0.061	3.11	10.7	13.8	21.4	20.4	14.3	2.47	1.37	0.907	0.088	7.43	1936
1937	0.028	0.028	0.852	11.9	20.6	16.4	19.3	19.4	5.82	1.16	0.845	0.331	8.06	1937
1938	0.824	0.304	6.04	9.06	19.1	19.5	21.7	19.4	5.87	2.01	2.89	0.588	8.98	1938
1939	0.336	0.200	2.91	8.04	18.3	21.1	20.2	13.8	1.10	0.637	5.30	0.399	7.58	1939
1940	0.084	0.040	1.80	3.86	12.2	17.4	16.6	10.9	0.590	0.361	5.16	0.605	5.88	1940
1941	0.394	0.481	2.11	3.46	14.6	16.0	17.9	8.12	2.86	0.626	0.617	0.644	5.70	1941
1942	0.174	0.633	1.73	16.1	23.0	14.5	18.1	17.4	14.6	1.97	0.827	0.944	9.48	1942
1943	0.249	0.546	8.31	15.4	8.58	20.4	17.4	16.6	16.6	3.86	2.00	0.886	8.07	1943
1944	0.363	0.562	1.28	4.86	14.7	13.8	11.6	9.64	2.16	0.344	0.488	0.361	5.01	1944
1945	0.154	0.315	1.71	2.88	16.5	21.8	17.1	16.0	16.8	3.23	0.852	0.636	8.26	1945
1946	0.360	0.883	3.36	12.4	16.4	19.8	17.4	16.7	16.1	1.98	0.751	0.528	8.89	1946
1947	0.469	1.76	20.1	16.4	12.8	17.5	17.5	17.2	16.0	2.59	1.12	0.808	10.3	1947
1948	0.926	0.286	1.66	27.4	18.1	37.0	21.1	19.3	16.4	2.96	1.66	1.11	12.3	1948
1949	0.694	0.446	2.92	11.7	20.0	16.5	16.6	15.3	11.0	1.66	1.46	0.633	8.43	1949
1950	0.030	0.333	2.48	17.7	17.0	20.7	18.3	15.6	15.6	15.7	3.06	1.11	10.6	1950
1951	0.887	0.636	11.8	24.6	17.8	23.6	27.3	22.0	14.2	7.31	6.11	3.77	13.4	1951
1952	2.42	4.46	12.1	27.4	8.13	4.66	14.0	17.2	17.3	6.53	1.80	1.62	9.66	1952
1953	1.70	2.18	4.62	23.8	32.6	46.2	11.6	16.6	17.1	4.62	2.63	1.77	13.6	1953
1954	1.21	4.33	4.08	16.7	22.7	19.6	19.3	19.6	6.07	2.82	2.11	1.37	10.2	1954
1955	0.557	0.832	3.36	15.8	21.7	16.1	20.0	17.7	10.6	1.89	0.862	1.16	9.26	1955
1956	0.884	1.11	8.34	13.8	26.2	22.0	21.8	18.3	16.7	9.78	2.16	0.706	11.6	1956
1957	0.852	1.36	5.74	11.1	28.1	21.6	16.8	16.8	10.6	1.89	2.36	1.41	9.65	1957
1958	0.810	1.64	3.02	22.6	19.8	22.3	19.6	17.6	10.6	1.41	1.47	1.57	10.3	1958
1959	1.10	1.13	6.47	20.6	26.6	22.6	17.6	16.3	20.2	6.21	1.63	2.29	12.6	1959
1960	0.882	1.17	17.0	7.22	22.4	20.9	16.4	16.2	12.8	0.852	1.00	0.672	10.2	1960
1961	1.03	1.32	3.71	14.6	17.4	21.2	16.9	16.1	13.9	3.07	1.13	0.288	9.56	1961
1962	1.17	2.18	7.33	21.2	21.3	20.6	16.3	17.6	2.26	0.654	0.606	0.643	9.61	1962
1963	0.244	4.02	2.50	16.6	16.7	21.9	19.6	16.2	12.8	0.627	0.386	0.232	9.66	1963
1964	0.202	0.669	1.14	14.3	29.3	26.1	12.6	16.6	16.0	2.32	1.91	0.696	10.6	1964
1965	0.368	2.66	5.24	31.3	11.6	30.1	17.9	20.7	14.6	2.66	1.96	2.06	11.6	1965
1966	0.324	0.660	11.0	6.96	20.0	29.3	20.2	21.0	16.6	2.24	1.66	1.23	11.2	1966
1967	1.26	2.30	11.3	13.0	33.4	21.0	22.2	20.6	16.6	1.90	1.84	1.37	12.5	1967
1968	1.31	2.72	6.82	16.6	26.3	26.9	21.3	20.4	16.6	4.26	3.36	2.10	12.5	1968
1969	0.766	1.16	10.5	29.3	14.7	27.1	23.6	19.9	11.1	2.26	1.96	1.23	12.0	1969
1970	0.490	1.03	2.62	13.2	20.3	23.0	20.1	19.6	11.6	1.66	1.42	0.477	8.66	1970
1971	0.643	6.62	4.06	14.2	16.6	11.3	20.3	18.7	19.0	6.16	1.86	0.246	8.94	1971
1972	0.060	0.101	39.0	11.7	27.7	23.0	22.4	21.2	18.7	7.46	1.41	0.241	13.7	1972
1973	0.624	1.32	6.76	5.06	14.6	19.6	16.7	16.6	0.716	0.400	0.266	0.460	8.66	1973
1974	1.66	0.623	4.66	20.6	26.1	19.3	20.6	16.6	14.6	1.06	0.666	0.632	10.6	1974
1975	0.226	0.102	0.766	6.66	26.3	26.7	14.0	20.6	16.6	3.66	2.13	2.26	10.3	1975
1976	3.41	3.27	7.61	11.6	24.1	26.7	22.6	22.6	20.0	4.66	1.40	1.11	12.4	1976
1977	0.760	1.46	1.06	4.66	16.6	16.1	6.71	6.37	3.04	0.760	0.476	0.346	4.61	1977
1978	0.361	0.496	16.2	6.06	7.66	16.1	17.7	17.3	11.6	2.03	1.66	1.46	8.64	1978
1979	0.400	0.376	16.4	16.2	16.3	21.6	16.7	16.1	6.66	0.766	0.607	0.696	9.77	1979
1980	0.376	0.766	4.03	20.6	20.6	23.6	20.1	16.6	6.64	1.41	1.01	0.666	10.1	1980
1981	1.42	2.60	12.6	13.1	26.4	24.1	19.6	17.6	16.6	1.67	1.36	0.666	11.6	1981
1982	0.096	0.160	3.66	20.6	20.7	20.0	16.0	0.627	0.666	1.12	0.666	0.601	7.26	1982
1983	0.629	0.666	7.64	13.1	6.46	16.6	16.6	17.6	1.26	0.364	0.366	0.106	7.20	1983
1984	0.169	1.06	7.46	6.06	6.42	16.6	16.0	13.4	0.417	0.267	0.663	0.216	6.60	1984
MEAN	0.660	1.70	6.16	13.6	17.4	16.6	16.3	14.4	6.06	2.76	1.72	0.976	6.66	MEAN

LOCATION - LAT 49 06 37 N LONG 112 04 44 W
DRAINAGE AREA, 2 720 km²
REGULATED SINCE 1916
INTERNATIONAL GAUGING STATION

MILK RIVER AT MILK RIVER - STATION NO. 11AA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	131 ON MAY 23	---	---	---	1909
1910	---	---	---	---	1910
1911	---	55.0 ON JUN 26	---	---	1911
1912	---	42.5 ON APR 3	0.2838 ON DEC 11	129 000	1912
1913	85.2 ON APR 14	53.5 ON APR 14	0.1988 ON JAN 1	139 000	1913
1914	---	25.8 ON APR 8	0.0288 ON FEB 9	73 200	1914
1915	---	34.8 ON JUN 26	0.5958 ON JAN 21	157 000	1915
1916	---	101 B ON FEB 17	0.3408 ON FEB 1	281 000	1916
1917	---	84.3 ON APR 7	0.9828 ON DEC 14	311 000	1917
1918	---	28.3B ON MAR 28	0.2418 ON NOV 20	171 000	1918
1919	---	21.3A ON MAY 10	0.0488 ON DEC 15	171 000	1919
1920	---	83.3A ON APR 21	0.2278 ON DEC 27	259 000	1920
1921	---	45.9B ON APR 3	0.0718 ON DEC 26	137 000	1921
1922	---	54.7A ON APR 23	0 B ON JAN 19 *	178 000	1922
1923	37.4 ON JUN 23	36.5 ON JUN 23	0 B ON JAN 1	170 000	1923
1924	57.2B AT 00:00 MST ON APR 7	52.1 ON JUN 9	0.1138 ON JAN 1	207 000	1924
1925	58.5B AT 12:00 MST ON MAR 30	44.2B ON MAR 30	0.0588 ON JAN 20	304 000	1925
1926	21.8 AT 21:00 MST ON JUN 20	19.5 ON JUN 20	0.0798 ON DEC 15	152 000	1926
1927	247 ON MAY 22	120 ON MAY 22	0 B ON JAN 24	389 000	1927
1928	112 B ON MAR 21	89.2B ON MAR 22	1.47 B ON JAN 1	347 000	1928
1929	85.5 AT 09:00 MST ON JUN 3	54.4 ON JUN 3	0.4568 ON NOV 19	291 000	1929
1930	78.0B AT 11:25 MST ON MAR 30	65.7B ON MAR 30	0.8878 ON JAN 15	255 000	1930
1931	18.1 AT 13:00 MST ON JUL 3	15.6 ON AUG 1	0.2558 ON DEC 19	184 000	1931
1932	34.5 AT 23:00 MST ON MAY 5	31.7 ON MAY 6	0.0428 ON DEC 12	271 000	1932
1933	37.7 AT 02:00 MST ON APR 24	32.0 ON APR 24	0.0428 ON FEB 8	287 000	1933
1934	48.7 AT 13:00 MST ON JUN 9	46.2 ON JUN 9	0.0578 ON JAN 1	316 000	1934
1935	103 AT 20:00 MST ON APR 17	87.1 ON APR 17	0 B ON JAN 15	276 000	1935
1936	85.1 AT 20:45 MST ON APR 11	58.7 ON APR 12	0 B ON FEB 24	235 000	1936
1937	109 AT 01:30 MST ON JUN 14	83.3 ON JUN 14	0.0288 ON JAN 1	255 000	1937
1938	37.7 ON APR 12	31.7 ON MAY 20	0 B ON FEB 15	263 000	1938
1939	24.6 AT 19:00 MST ON JUN 16	24.3 ON JUN 17	0.0858 ON OCT 24	239 000	1939
1940	22.2 AT 16:30 MST ON JUL 16	21.4 ON JUL 28	0 B ON JAN 26	189 000	1940
1941	22.5 ON JUN 6	22.3 ON JUN 6	0.1138 ON DEC 31	180 000	1941
1942	60.4 AT 21:00 MST ON APR 3	42.2 ON APR 4	0 B ON JAN 4	286 000	1942
1943	---	41.3B ON MAR 30	0.0288 ON JAN 29	288 000	1943
1944	18.3 AT 12:00 MST ON MAY 21	17.6 ON MAY 22	0.0858 ON DEC 31	159 000	1944
1945	32.0E ON JUN 6	31.4E ON JUN 6	0.0288 ON JAN 2	280 000	1945
1946	22.3 AT 12:00 MST ON JUN 23	21.4 ON MAY 31	0.0858 ON FEB 2	284 000	1946
1947	151 AT 09:00 MST ON MAY 22	89.2B ON MAR 22	0.2558 ON JAN 4	325 000	1947
1948	174 AT 18:15 MST ON JUN 16	144 ON JUN 16	0.1428 ON FEB 8	390 000	1948
1949	31.7 AT 11:30 MST ON MAY 21	31.4 ON MAY 21	0.0858 ON DEC 30	266 000	1949
1950	58.9 AT 00:00 MST ON APR 17	47.0 ON APR 18	0 B ON JAN 21	339 000	1950
1951	188 AT 20:00 MST ON JUN 25	120 ON JUN 25	0.1708 ON FEB 12	423 000	1951
1952	87.4B AT 01:30 MST ON MAR 30	62.9B ON MAR 30	0.8508 ON NOV 18	312 000	1952
1953	204 AT 21:00 MST ON JUN 4	169 ON JUN 4	0.5668 ON JAN 11	436 000	1953
1954	85.7B AT 22:30 MST ON APR 8	41.9 ON APR 18	0.4538 ON JAN 19	322 000	1954
1955	97.1 AT 19:00 MST ON MAY 19	77.3 ON MAY 20	0.3118 ON JAN 11	282 000	1955
1956	98.9 AT 22:00 MST ON JUL 4	52.1 ON JUL 5	0.3118 ON DEC 13	372 000	1956
1957	38.2 AT 09:00 MST ON MAY 9	37.4 ON MAY 9	0.1428 ON FEB 10	311 000	1957
1958	62.0 AT 04:00 MST ON APR 2	51.3 ON APR 5	0.2558 ON FEB 11	324 000	1958
1959	40.5 AT 07:00 MST ON MAY 20	38.6 ON MAY 20	0.5668 ON JAN 13	394 000	1959
1960	82.1B AT 20:30 MST ON MAR 21	62.3B ON MAR 21	0.3408 ON MAR 6	323 000	1960
1961	30.3 AT 23:00 MST ON MAY 18	28.3 ON MAY 18	0.1598 ON DEC 13	302 000	1961
1962	31.1 AT 15:00 MST ON APR 15	30.3 ON APR 16	0.0968 ON MAR 14	300 000	1962
1963	---	29.4B ON FEB 7	0.0288 ON JAN 23	306 000	1963
1964	230 AT 23:00 MST ON JUN 9	128 ON JUN 9	0.1138 ON JAN 23	340 000	1964
1965	84.6 AT 10:30 MST ON JUN 27	62.6B ON APR 8	0.1428 ON JAN 1	371 000	1965
1966	87.4 AT 18:00 MST ON JUN 5	68.9 ON JUN 6	0.1598 ON JAN 12	353 000	1966
1967	148 AT 23:00 MST ON MAY 9	118 ON MAY 9	0.7148 ON NOV 26	384 000	1967
1968	49.0 AT 21:45 MST ON JUN 6	41.1 ON JUN 9	0.5728 ON JAN 9	398 000	1968
1969	114 AT 00:40 MST ON APR 2	108 ON APR 2	0.5448 ON JAN 16	378 000	1969
1970	47.0 AT 19:30 MST ON JUN 14	42.2 ON JUN 15	0.2048 ON JAN 15	308 000	1970
1971	34.3B AT 13:30 MST ON FEB 15	33.7B ON MAR 28	0.0748 ON DEC 28	314 000	1971
1972	132 B AT 00:30 MST ON MAR 18	105 B ON MAR 17	0.0288 ON JAN 25	434 000	1972
1973	23.5 AT 22:50 MST ON MAY 26	23.1 ON MAY 26	0.2328 ON DEC 29	220 000	1973
1974	80.4 AT 21:30 MST ON MAY 1	44.5 ON MAY 1	0.1368 ON JAN 13	340 000	1974
1975	280 AT 10:50 MST ON JUN 21 *	207 ON JUN 21 *	0.0748 ON FEB 13	325 000	1975
1976	---	34.3 ON MAR 19	0.8788 ON OCT 22	382 000	1976
1977	22.4 AT 12:10 MST ON MAY 19	22.3 ON MAY 19	0.2638 ON DEC 6	155 000	1977
1978	---	70.8B ON MAR 22	0.3118 ON JAN 1	288 000	1978
1979	---	49.6B ON MAR 9	0.1428 ON NOV 20	308 000	1979
1980	80.5 AT 18:50 MST ON MAY 27	65.6 ON MAY 27	0.0718 ON JAN 29	318 000	1980
1981	58.7 AT 23:05 MST ON MAY 18	57.6 ON MAY 17	0.1288 ON DEC 31	385 000	1981
1982	138 AT 02:55 MST ON APR 14	112 A ON APR 14	0.0108 ON FEB 5	229 000	1982
1983	20.3 AT 14:20 MST ON JUL 20	19.6 ON JUL 19	0.0208 ON DEC 26	227 000	1983
1984	23.2 AT 09:35 MST ON JUN 24	22.2 ON JUN 24	0.0108 ON DEC 29	208 000	1984
				281 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT - STATION NO. 11AA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.14	2.40	---	---	---	1909
1910	---	---	---	5.37	5.27	2.84	0.619	0.305	1.57	1.32	---	---	2.45	1910
1911	---	---	---	10.4	11.0	10.8	6.44	3.15	11.8	5.00	---	---	8.33	1911
1912	---	---	---	---	9.24	3.60	3.67	2.05	1.80	2.33	---	---	---	1912
1913	---	---	---	20.8	14.0	8.78	4.22	2.89	0.898	2.01	---	---	7.58	1913
1914	---	---	---	10.1	4.11	2.31	0.723	0.312	0.858	4.39	---	---	3.22	1914
1915	---	---	---	7.38	5.36	16.4	9.09	5.28	5.97	5.08	---	---	7.91	1915
MEAN	---	---	---	10.8	8.33	7.41	4.19	2.30	3.55	3.22	---	---	5.90	MEAN

LOCATION - LAT 49 08 00 N
LONG 111 02 00 W
DRAINAGE AREA, 9 730 km²
NATURAL FLOW

MILK RIVER AT PENDANT D'OREILLE POLICE DETACHMENT - STATION NO. 11AA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	8.35 ON APR 16	0.181E ON AUG 4	45 200	1910
1911	---	43.6 ON JUN 26	1.67 E ON SEP 2	154 000	1911
1912	---	33.7 ON MAY 24	---	---	1912
1913	---	45.0 ON APR 13	0.708 ON SEP 10	140 000	1913
1914	---	21.7 ON APR 6	0 ON AUG 6 *	59 600	1914
1915	---	83.0 ON JUN 6 *	2.44 ON MAY 1	146 000	1915
				109 000	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	1.07	1.83	0.983	0.284	0.076	0.105	0.182	0.267	---	---	0.592	1931
1932	---	---	---	3.17	3.86	2.31	0.434	0.276	0.144	0.318	---	---	---	1932
1933	---	---	0.998	4.18	7.03	3.26	0.885	0.262	0.322	0.650	---	---	2.16	1933
1934	---	---	4.15	8.36	4.63	5.52	1.26	0.291	0.485	1.02	---	---	3.22	1934
1935	---	1.05	1.14	8.60	5.27	2.21	0.432	0.135	0.187	0.302	---	---	2.39	1935
1936	---	---	1.41	6.27	1.83	0.483	0	0.004	0	0	---	---	1.21	1936
1937	---	---	0.288	7.32	4.72	5.78	0.898	0.250	0.235	0.395	---	---	2.86	1937
1938	---	---	2.19	4.96	5.82	3.33	2.21	0.493	0.268	0.424	---	---	2.43	1938
1939	---	---	3.00	2.58	1.51	1.13	0.086	0	0	0.080	---	---	1.04	1939
1940	---	---	1.24	2.51	1.11	0.191	0.102	0.006	0	0.136	---	---	0.859	1940
1941	---	---	0.681	1.17	0.378	0.862	0.470	0.006	0.188	0.283	---	---	0.503	1941
1942	---	---	0.812	6.95	3.75	5.31	1.29	0.706	0.827	0.508	---	---	2.45	1942
1943	---	---	---	6.80	6.86	9.11	2.71	0.787	0.504	0.614	---	---	---	1943
1944	---	---	0.441	1.88	0.864	0.858	0.137	0.024	0	0	---	---	0.434	1944
1945	---	---	0.710	1.20	2.21	4.18	0.778	0.048	0.153	0.306	---	---	1.18	1945
1946	---	---	1.36	2.02	1.87	1.37	0.520	0.083	0.355	0.758	---	---	1.05	1946
1947	---	---	7.86	8.72	6.67	3.73	1.04	0.686	1.03	1.07	---	---	3.84	1947
1948	---	---	0.726	14.1	10.5	21.6	5.16	1.94	0.857	0.957	---	---	6.82	1948
1949	---	---	1.11	7.81	3.97	1.58	0.528	0.063	0.271	0.740	---	---	2.00	1949
1950	---	---	1.12	10.9	12.4	10.7	4.27	1.40	0.619	0.980	---	---	5.27	1950
1951	---	---	2.11	14.4	14.3	14.4	9.86	4.02	4.77	3.76	---	---	8.42	1951
1952	---	---	4.51	15.8	6.57	3.10	1.54	0.708	0.533	0.561	---	---	4.11	1952
1953	---	---	1.48	12.7	12.8	24.8	4.04	1.53	1.08	1.03	---	---	7.37	1953
1954	---	---	2.10	10.8	16.8	7.83	2.43	1.42	1.41	1.76	---	---	5.80	1954
1955	---	---	1.01	8.31	12.7	5.63	3.40	0.889	0.387	0.710	---	---	4.08	1955
1956	---	---	2.77	8.17	8.55	4.27	3.57	1.31	0.848	0.867	---	---	3.49	1956
1957	---	---	2.04	8.17	9.72	4.26	0.829	0.200	0.420	0.884	---	---	3.01	1957
1958	---	---	1.25	7.80	2.89	3.32	1.82	0.383	0.312	0.844	---	---	2.24	1958
1959	---	---	3.63	8.09	9.46	4.39	1.24	0.389	0.523	1.03	---	---	3.58	1959
1960	---	---	5.10	3.11	5.73	1.71	0.343	0.251	0.001	0.138	---	---	2.43	1960
1961	---	---	1.93	2.09	4.85	1.41	0.305	0.038	0.088	0.490	---	---	1.40	1961
1962	---	---	3.22	7.58	3.05	1.57	0.281	0.136	0.065	0.285	---	---	2.01	1962
1963	---	2.80	1.25	1.84	1.47	2.22	1.18	0.002	0	0	---	---	0.954	1963
1964	---	---	0.615	3.43	8.80	15.9	2.12	0.515	1.07	1.08	---	---	4.21	1964
1965	---	---	2.84	14.9	8.06	7.59	2.48	0.733	1.58	0.915	---	---	4.84	1965
1966	---	---	4.37	6.40	3.67	8.09	2.31	0.741	0.458	0.885	---	---	3.22	1966
1967	---	---	3.34	8.02	19.2	12.6	2.43	0.844	0.261	0.594	---	---	5.84	1967
1968	---	---	2.97	3.22	8.67	4.56	1.22	0.913	2.80	1.58	---	---	2.87	1968
1969	---	---	2.58	17.4	3.72	6.59	2.84	0.282	0.148	0.712	---	---	4.24	1969
1970	---	---	0.851	3.38	11.4	5.51	1.19	0.404	0.383	0.539	---	---	2.83	1970
1971	---	---	1.78	8.80	8.19	5.27	1.58	0.300	0.413	0.594	---	---	3.80	1971
1972	---	---	20.3	8.08	10.8	7.34	2.81	1.31	0.878	0.821	---	---	6.56	1972
1973	---	---	1.75	2.53	2.37	0.888	0.024	0	0	0	---	---	0.840	1973
1974	---	---	1.80	6.84	7.02	3.46	1.09	0.559	0.342	0.440	---	---	2.69	1974
1975	---	---	0.409	4.02	16.5	18.7	5.36	1.88	1.08	1.94	---	---	5.96	1975
1976	---	---	3.63	7.47	6.26	2.94	0.904	0.857	0.180	0.388	---	---	2.61	1976
1977	---	---	0.315	2.18	0.858	0.087	0	0.008	0.041	0.228	---	---	0.438	1977
1978	---	---	13.8	4.92	8.52	4.84	2.76	1.58	3.68	1.04	---	---	4.84	1978
1979	---	---	8.89	8.80	8.80	2.97	0.734	0.277	0.109	0.264	---	---	3.84	1979
1980	---	---	1.08	7.15	4.51	4.10	0.526	0.587	0.498	0.670	---	---	2.37	1980
1981	---	---	1.84	2.41	8.24	4.42	1.10	0.348	0.070	0.504	---	---	2.37	1981
1982	---	---	0.949	11.1	5.43	3.81	1.22	0.088	0.121	0.532	---	---	2.88	1982
1983	---	---	1.75	1.88	1.80	0.537	0.210	0.007	0	0	---	---	0.745	1983
1984	---	---	0.812	1.23	0.888	0.572	0.025	0	0	0.029	---	---	0.415	1984
MEAN	---	1.93	2.72	6.48	6.38	5.21	1.80	0.587	0.588	0.655	---	---	3.02	MEAN

LOCATION - LAT 49 00 27 N LONG 112 32 42 W DRAINAGE AREA, 1 050 km² REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1983

MILK RIVER AT WESTERN CROSSING OF INTERNATIONAL BOUNDARY - STATION NO. 11AA025

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	7.79 AT 07:30 MST ON APR 7	6.61 ON APR 7	0 ON JUL 31 *	12 800	1931
1932	12.3 AT 17:00 MST ON MAY 5	9.66 ON MAY 5	---	---	1932
1933	14.0 AT 07:00 MST ON APR 29	12.7 ON APR 29	0.057 ON AUG 17	46 500	1933
1934	37.4 AT 02:00 MST ON JUN 6	22.9 ON JUN 9	0.232 ON AUG 19	88 000	1934
1935	---				
1936	44.2 B ON APR 11	50.7 ON APR 17	0.045 ON AUG 14	50 800	1935
1937	72.6 AT 10:30 MST ON JUN 13	27.7 B ON APR 11	0 B ON MAR 1	25 800	1936
1938	18.9 AT 01:00 MST ON JUN 27	60.7 ON JUN 13	0.023A ON AUG 31	84 200	1937
1939	12.2 B AT 19:00 MST ON MAR 25	11.3 B ON APR 11	0.125 ON SEP 24	51 800	1938
		9.948 ON MAR 23	0 ON JUL 19	22 000	1939
1940	15.3 AT 19:00 MST ON JUL 4	4.22 ON APR 28	0 ON JUN 29	13 800	1940
1941	8.30 AT 20:00 MST ON JUN 13	2.63 ON JUN 5	0 B ON MAR 1	10 800	1941
1942	39.1 AT 21:30 MST ON APR 3	20.5 ON APR 4	0.1428 ON MAR 1	51 800	1942
1943	20.0 AT 14:00 MST ON JUN 8	16.6 ON JUN 8	---	---	1943
1944	---	5.328 ON APR 4	0 ON JUL 28	8 190	1944
1945	12.1 AT 20:30 MST ON JUN 7	11.3 ON JUN 7	0 ON AUG 23	25 300	1945
1946	3.88 AT 23:00 MST ON MAY 30	3.51 ON MAR 29	0 ON AUG 13	22 300	1946
1947	41.1 B AT 18:30 MST ON MAR 22	38.8 B ON MAR 22	0.1428 ON MAR 4	81 400	1947
1948	138 AT 05:00 MST ON JUN 18	127 ON JUN 18	0.3988 ON MAR 8	147 000	1948
1949	---	19.8 B ON APR 7	0.011 ON AUG 27	42 200	1949
1950	38.8 AT 11:00 MST ON APR 17	38.0 ON APR 17	0.504 ON SEP 28	111 000	1950
1951	111 AT 12:00 MST ON JUN 24	80.8 ON JUN 25	0.1428 ON MAR 1	178 000	1951
1952	---	31.1 B ON APR 7	0.300A ON AUG 30	87 000	1952
1953	130 AT 11:00 MST ON JUN 4	110 ON JUN 4	0.1138 ON MAR 1	158 000	1953
1954	38.2 AT 20:00 MST ON APR 17	28.3 ON APR 18	0.725 ON SEP 14	116 000	1954
1955	75.8 AT 07:00 MST ON MAY 19	62.9 ON MAY 19	0.088 ON SEP 7	86 800	1955
1956	31.4 AT 23:00 MST ON JUL 4	25.3 ON JUL 4	0.1138 ON MAR 8	73 800	1956
1957	20.4 AT 23:00 MST ON MAY 8	18.1 ON MAY 8	0.054 ON SEP 18	63 700	1957
1958	27.8 AT 08:00 MST ON APR 8	21.2 ON APR 8	0.082 ON SEP 18	47 300	1958
1959	27.6 B AT 11:00 MST ON APR 4	21.1 ON MAY 2	0.221 ON AUG 14	75 800	1959
1960	82.3 B AT 22:00 MST ON MAR 21	37.7 B ON MAR 21	0 ON SEP 8	51 800	1960
1961	12.2 AT 10:00 MST ON MAY 18	10.8 ON MAY 18	0 ON AUG 21	29 700	1961
1962	23.8 B AT 20:00 MST ON APR 8	17.8 ON APR 8	0 ON AUG 21	42 500	1962
1963	---	5.68 ON JUL 7	0 ON AUG 8	20 200	1963
1964	228 AT 05:00 MST ON JUN 9 *	163 ON JUN 9 *	0.2418 ON MAR 8	88 200	1964
1965	---	27.6 B ON APR 10	0.473 ON AUG 20	103 000	1965
1966	82.4 AT 10:30 MST ON JUN 5	45.9 ON JUN 5	0.1888 ON MAR 1	86 200	1966
1967	78.3 AT 15:00 MST ON MAY 9	70.2 ON MAY 9	0.184 ON SEP 9	118 000	1967
1968	22.9 AT 12:00 MST ON JUN 8	18.9 ON JUN 8	0.309 ON AUG 10	80 800	1968
1969	---	50.1 B ON APR 2	0.034 ON SEP 13	89 700	1969
1970	39.7 AT 13:53 MST ON MAY 8	27.8 ON MAY 8	0.057 ON SEP 7	82 000	1970
1971	19.8 AT 17:00 MST ON MAY 7	16.4 ON MAY 7	0.108 ON AUG 22	78 200	1971
1972	118 B AT 16:00 MST ON MAR 17	89.7 B ON MAR 17	0.0858 ON MAR 1	138 000	1972
1973	4.80 AT 16:30 MST ON APR 25	4.59 ON APR 25	0 ON JUL 12	19 800	1973
1974	24.6 AT 08:30 MST ON MAY 1	21.8 ON MAY 1	0.224 ON SEP 23	57 000	1974
1975	201 AT 18:10 MST ON JUN 20	118 ON JUN 20	0.1228 ON MAR 8	127 000	1975
1976	---	15.4 B ON MAR 18	0.088 ON SEP 21	58 400	1976
1977	8.10 AT 22:50 MST ON APR 9	7.78 ON APR 10	0 ON JUL 3	8 230	1977
1978	---	87.4 B ON MAR 21	0.0588 ON MAR 8	102 000	1978
1979	---	28.2 B ON MAR 12	0.018 ON OCT 1	81 400	1979
1980	32.1 AT 09:00 MST ON MAY 27	30.3 ON MAY 27	0.007 ON AUG 8	50 100	1980
1981	38.9 AT 00:50 MST ON MAY 17	31.6 ON MAY 17	0.012 ON SEP 24	80 100	1981
1982	---	81.7 B ON APR 13	0.001 ON SEP 11	80 800	1982
1983	---	3.405 ON MAR 13	0 ON AUG 8	15 800	1983
1984	4.71 AT 15:20 MST ON JUN 25	3.37 ON APR 22	0 ON JUL 9	6 750	1984
				83 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT - STATION NO. 11AA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	---	2.30	2.20	---	---	---	1909
1910	---	---	---	5.77	5.22	3.06	0.887	0.495	1.48	1.38	---	---	2.80	1910
1911	---	---	---	8.89	10.8	8.46	4.52	2.72	6.87	3.78	---	---	6.85	1911
1912	---	---	---	---	---	---	---	1.83	1.61	2.21	---	---	---	1912
1913	---	---	---	21.3	11.8	7.89	3.94	2.03	1.38	2.38	1.90	---	7.18	1913
1914	---	---	---	8.39	4.62	2.41	0.842	0.491	0.730	3.32	---	---	2.85	1914
1915	---	---	---	8.04	5.77	13.3	7.78	4.80	8.43	4.81	---	---	8.94	1915
MEAN	---	---	---	10.1	7.68	7.20	3.80	2.04	3.00	2.87	1.90	---	5.28	MEAN

LOCATION - LAT 48 05 00 N LONG 111 35 00 W DRAINAGE AREA, 4 280 km^2 NATURAL FLOW

MILK RIVER AT WRITING-ON-STONE POLICE DETACHMENT - STATION NO. 11AA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	8.72 ON JUN 11	0.388 ON AUG 2	48 200	1910
1911	---	58.6 ON JUN 28 *	1.16 ON AUG 25	123 000	1911
1912	---	---	---	---	1912
1913	---	53.2 B ON APR 13	0.891 ON SEP 13	133 000	1913
1914	---	18.0 ON APR 14	0.082 ON AUG 6 *	64 800	1914
1915	---	31.7 ON JUN 6	2.35 ON MAY 1	129 000	1915
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		97 500	MEAN

MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	8.78	5.54	2.25	1.25	0.643	1.48	0.883	0.553	---	1913
1914	---	---	---	---	---	1.78	0.489	0.408	0.472	1.77	1.01	0.800	---	1914
1915	0.347	0.431	2.08	2.38	3.54	7.47	4.31	1.78	3.35	2.26	1.80	1.23	3.38	1915
1916	0.787	11.1	10.6	5.59	7.43	10.2	4.94	2.46	2.08	2.20	1.59	1.02	5.70	1916
1917	0.731	0.727	0.701	12.2	16.7	9.20	2.40	1.08	0.978	1.12	1.31	0.828	5.53	1917
1918	1.81	0.483	2.00	5.18	3.97	1.95	0.795	0.481	0.439	0.582	0.380	0.248	1.81	1918
1919	0.280	0.210	0.498	2.53	1.88	0.584	0.022	0.001	0.018	0.231	---	---	0.729	1919
1920	---	---	---	---	---	10.8	3.43	1.09	0.481	0.327	0.424	---	---	1920
1921	---	---	---	---	4.54	5.08	2.75	0.795	0.242	0.223	0.275	---	---	1921
1922	---	---	0.229	4.32	8.51	3.81	1.51	0.382	0.211	0.288	---	---	2.12	1922
1923	---	---	0.466	3.85	4.80	4.45	1.24	0.858	0.338	0.389	---	---	2.00	1923
1924	---	---	0.718	3.07	2.61	8.12	1.23	0.785	0.347	0.304	---	---	1.81	1924
1925	---	---	---	12.5	7.81	3.45	1.41	0.639	0.841	1.33	---	---	---	1925
1926	---	---	1.10	1.89	0.668	0.517	0.111	0.031	0.462	0.509	---	---	0.832	1926
1927	---	---	---	---	15.5	14.1	4.37	3.52	5.15	3.44	---	---	---	1927
1928	---	---	---	---	6.69	6.81	5.88	5.66	1.93	1.29	2.18	---	---	1928
1929	---	---	---	---	5.65	4.80	4.85	1.19	0.315	0.272	0.713	---	---	1929
1930	---	---	4.03	9.21	5.85	3.32	0.878	0.289	0.463	0.542	---	---	3.07	1930
MEAN	0.785	2.59	2.26	5.66	6.73	6.98	1.83	0.827	0.983	1.11	1.13	0.898	2.70	MEAN

LOCATION - LAT 48 59 00 N LONG 112 48 00 W DRAINAGE AREA, 747 km^2 REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1918 AND 1918

MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	13.8 ON APR 12	---	---	1914
1915	---	23.4 ON JUN 5	0.356 ON MAR 11	71 700	1915
1916	---	48.4 A ON MAR 10	1.27 A ON SEP 26	121 000	1916
1917	---	33.1 ON APR 6	0.568A ON MAR 3	117 000	1917
1918	---	9.83 ON APR 9	0.144 ON AUG 29	40 400	1918
1919	---	7.05 ON APR 1	0 ON AUG 1 *	15 400	1919
1920	---	24.1 ON APR 27	---	---	1920
1921	---	11.2 ON APR 13	---	---	1921
1922	---	9.54 ON MAY 6	0.0388 ON MAR 1	44 900	1922
1923	---	13.3 ON JUN 22	0.0788 ON MAR 1	42 300	1923
1924	---	22.6 ON JUN 5	0.224 ON OCT 13	40 400	1924
1925	---	7.08E ON APR 13	0.003 ON AUG 18	13 400	1925
1926	---	47.6 ON MAY 30 *	---	---	1926
1927	---	20.8 ON JUL 1	---	---	1927
1928	---	15.5 ON JUN 3	---	---	1928
1929	---	---	---	---	1929
1930	---	31.1 ON MAR 28	0.170 ON AUG 28	65 000	1930
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	57 200	MEAN

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	13.8	19.3	20.3	---	2.81	---	---	---	1978
1979	---	---	---	---	---	21.5	---	---	---	1.05	---	---	---	1979
1980	---	---	---	---	18.6	23.3	18.9	18.9	10.4	1.61	---	---	15.3	1980
1981	---	---	---	---	27.2	25.3	21.4	17.7	15.8	3.20	---	---	18.4	1981
1982	---	---	---	---	21.2	21.7	18.8	1.46	0.526	1.23	---	---	10.8	1982
MEAN	---	---	---	---	22.3	21.1	19.6	14.6	8.91	1.84	---	---	14.8	MEAN

LOCATION - LAT 49 07 25 N LONG 110 52 15 W DRAINAGE AREA, 6 040 km^2 REGULATED SINCE 1918 INTERNATIONAL GAUGING STATION

MILK RIVER NEAR PENDANT D'OREILLE - STATION NO. 11AA035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	104 AT 04:00 MST ON AUG 24 *	72.2 ON AUG 24 *	---	---	1978
1979	---	---	---	---	1979
1980	51.4 AT 19:00 MST ON MAY 28	44.5 ON MAY 28	1.18 A ON OCT 8	243 000	1980
1981	67.8 AT 08:00 MST ON MAY 18	61.0 ON MAY 18	1.76 ON OCT 31	283 000	1981
1982	34.3 AT 17:20 MST ON MAY 30	31.8 ON MAY 30	0.270E ON SEP 11 *	172 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		236 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	14.5	20.0	20.8	13.4	2.44	---	---	---	1978
1979	---	---	---	---	17.9	22.7	20.4	18.9	8.43	1.01	---	---	14.8	1979
1980	---	---	---	---	21.7	25.0	20.8	18.4	9.47	1.43	---	---	16.3	1980
1981	---	---	---	---	28.5	27.0	20.5	18.1	15.1	2.27	---	---	18.7	1981
1982	---	---	---	---	20.6	20.8	19.5	0.885	0.584	1.18	---	---	10.6	1982
MEAN	---	---	---	---	22.2	22.0	20.2	15.6	9.19	1.67	---	---	15.0	MEAN

LOCATION - LAT 49 05 18 N LONG 111 32 05 W DRAINAGE AREA, 4 390 km^2 REGULATED SINCE 1918 INTERNATIONAL GAUGING STATION

MILK RIVER NEAR WRITING-ON-STONE PARK - STATION NO. 11AA034

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	84.8 AT 19:30 MST ON AUG 23 *	77.3 ON AUG 23 *	---	---	1978
1979	---	31.7 ON MAY 8	0.749 ON OCT 5	231 000	1979
1980	60.3 AT 01:20 MST ON MAY 28	51.2 ON MAY 28	1.04 ON OCT 12	259 000	1980
1981	61.8 AT 13:05 MST ON MAY 17	52.4 ON MAY 17	1.68 ON OCT 10	258 000	1981
1982	34.7 AT 19:25 MST ON MAY 29	32.8 ON MAY 29	0.389 ON SEP 9 *	188 000	1982
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		239 000	MEAN

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	0.479	3.09	2.79	---	---	---	1910
1911	---	---	---	3.01	9.12	13.3	3.16	8.44	12.1	2.81	---	---	7.02	1911
1912	---	---	---	1.84	5.92	3.67	4.30	1.38	0.880	1.18	---	---	2.76	1912
1913	---	---	---	---	8.14	8.63	2.84	1.88	1.02	2.03	---	---	---	1913
1914	---	---	---	---	6.41	5.88	2.46	1.72	1.37	4.30	---	---	---	1914
1915	---	---	---	---	13.5	12.1	5.88	3.48	2.73	3.07	---	---	---	1915
1916	---	---	---	3.08	7.18	15.5	6.80	1.58	1.30	1.24	---	---	5.23	1916
1917	---	---	---	---	12.3	15.5	3.20	0.872	0.842	0.497	0.473	0.270	---	1917
1918	0.562	0.473	0.476	2.31	8.57	5.23	0.882	0.911	1.38	1.02	0.888	0.470	2.81	1918
1919	0.289	0.351	0.498	1.61	7.92	3.48	0.818	0.457	0.337	0.459	0.800	0.411	2.16	1919
1920	0.323	0.341	0.521	---	---	---	---	---	---	---	---	---	---	1920
1987	---	---	---	---	11.9	13.5	3.44	0.989	0.848	0.833	---	---	---	1987
1988	---	---	0.547	0.945	5.26	8.98	2.31	1.25	3.17	3.37	---	---	3.32	1988
1989	---	---	1.11	3.77	5.90	10.6	4.08	0.923	0.528	0.691	---	---	3.78	1989
1970	---	---	0.572	1.84	7.95	10.5	1.88	0.747	0.687	0.593	---	---	3.47	1970
1971	---	---	0.305	1.73	8.39	7.24	2.09	0.830	0.595	0.802	---	---	3.07	1971
1972	---	---	1.23	2.81	12.4	10.8	4.74	1.89	1.13	1.28	---	---	4.88	1972
1973	---	---	0.422	1.03	4.30	3.31	1.05	0.801	0.516	0.393	---	---	1.60	1973
1974	---	---	0.467	2.02	7.78	12.6	3.05	1.34	0.780	0.552	---	---	4.00	1974
1975	---	---	0.328	0.827	11.0	24.4	5.81	1.83	1.01	0.894	---	---	5.48	1975
1976	---	---	0.737	1.83	8.14	4.58	2.28	2.48	0.942	0.643	---	---	3.01	1976
1977	---	---	---	0.581	1.24	1.17	0.574	0.548	0.554	0.450	---	---	0.727	1977
1978	---	---	---	1.08	6.02	8.48	3.01	1.22	1.07	0.843	---	---	2.81	1978
1979	---	---	---	1.38	7.58	4.38	1.41	0.778	0.511	0.418	---	---	2.38	1979
1980	---	---	---	1.58	8.77	8.00	1.35	0.818	1.01	0.688	---	---	2.84	1980
1981	---	---	---	1.58	14.6	7.38	2.58	1.42	0.873	0.495	---	---	4.12	1981
1982	---	---	0.218	0.784	2.55	7.31	2.35	0.913	0.818	0.579	---	---	2.18	1982
1983	---	---	0.581	0.847	3.81	3.14	1.34	0.747	0.485	0.388	---	---	1.84	1983
1984	---	---	0.268	0.704	2.27	3.19	1.27	0.631	0.481	0.606	---	---	1.31	1984
MEAN	0.388	0.388	0.552	1.70	7.69	8.42	2.77	1.37	1.44	1.20	0.848	0.384	3.23	MEAN

LOCATION - LAT 49 28 10 N LONG 114 08 00 W DRAINAGE AREA, 179 km^2 NATURAL FLOW

MILL CREEK NEAR THE MOUTH - STATION NO. 05AA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	48.4 ON SEP 4	1.39 ON APR 4	130 000	1911
1912	---	11.5 ON MAY 21	0.187 ON APR 1 *	51 100	1912
1913	---	15.3 ON JUN 28	---	---	1913
1914	---	11.7 ON OCT 17	---	---	1914
1915	---	19.4 ON MAY 14	---	---	1915
1916	---	19.2 ON JUN 20	0.983 ON AUG 8	98 700	1916
1917	---	27.0 ON MAY 25	---	---	1917
1918	---	10.9 ON MAY 4	0.396 ON JUL 18	48 200	1918
1919	---	15.7 ON MAY 27	0.303 ON SEP 14	39 900	1919
1920	---	---	---	---	1920
1987	31.4 AT 23:00 MST ON MAY 21	27.1 ON MAY 22	---	---	1987
1988	20.0 AT 18:30 MST ON JUN 7	15.9 ON JUN 8	0.535 ON APR 8	81 400	1988
1989	54.1 AT 09:23 MST ON JUN 26	43.3 ON JUN 26	0.478 ON SEP 19	70 000	1989
1970	44.5 AT 17:50 MST ON JUN 13	30.6 ON JUN 14	0.2878 ON OCT 29	84 100	1970
1971	15.2 AT 08:30 MST ON MAY 6	14.0 ON MAY 27	0.3408 ON APR 3	56 700	1971
1972	31.7 AT 07:20 MST ON MAY 25	28.2 ON JUN 1	0.966 ON SEP 21	92 100	1972
1973	11.7 AT 02:30 MST ON MAY 18	10.9 ON MAY 18	0.334 ON OCT 28	28 800	1973
1974	18.5 AT 23:30 MST ON JUN 18	17.6 ON JUN 17	0.3268 ON APR 2	74 000	1974
1975	210 AT 23:30 MST ON JUN 19 *	133 ON JUN 19 *	0.2558 ON APR 4	118 000	1975
1976	17.4 AT 03:30 MST ON MAY 11	15.9 ON MAY 11	0.592 ON OCT 29	55 800	1976
1977	1.76 AT 08:30 MST ON MAY 15	1.74 ON MAY 15	0.2188 ON APR 1	13 400	1977
1978	12.1 AT 00:45 MST ON JUN 6	11.5 ON JUN 6	0.563 ON APR 14	52 000	1978
1979	18.1 AT 01:35 MST ON MAY 27	16.9 ON MAY 27	0.380A ON OCT 30	43 500	1979
1980	38.9 AT 13:20 MST ON MAY 26	32.1 ON MAY 26	0.2558 ON APR 1	48 700	1980
1981	---	72.4 E ON MAY 23	0.400E ON OCT 31	75 100	1981
1982	10.3 AT 09:21 MST ON JUN 5	9.97 ON JUN 5	0.2238 ON APR 1	39 700	1982
1983	9.85 AT 01:24 MST ON MAY 27	9.33 ON MAY 26	0.297 ON APR 4	24 400	1983
1984	5.55 AT 02:23 MST ON MAY 31	5.31 ON MAY 31	0.2988 ON APR 2	24 200	1984
				58 700	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0	0	---	---	---	1966
1967	---	---	0.183	0.308	1.36	0.377	0.008	0	0	0	---	---	0.281	1967
1968	---	---	0.066	0.043	0.240	0.107	0.126	0	0.087	0.131	---	---	0.100	1968
1969	---	---	0.438	0.281	0.041	0.038	0.109	0	0	0	---	---	0.111	1969
1970	---	---	0.003	0.003	0.002	0.145	0.004	0	0	0	---	---	0.019	1970
1971	---	---	0.015	0.070	0.037	0.270	0	0	0	0	---	---	0.048	1971
1972	---	---	0.152	0.032	0.038	0.005	0	0	0	0	---	---	0.028	1972
1973	---	---	0	0	0	0	0	0	0	0	---	---	0	1973
1974	---	---	0	0	0.028	0.005	0	0	0	0	---	---	0.004	1974
1975	---	---	0	0.230	0.924	0.594	0.080	0.008	0.009	0.019	---	---	0.234	1975
1976	---	---	0.063	0.031	0.045	0.003	0.008	0	0	0	---	---	0.019	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.578	0.343	0.308	0.132	0.140	0.108	0.207	0.047	---	---	0.233	1978
1979	---	---	0.583	0.517	0.432	0.044	0	0	0	0	---	---	0.185	1979
1980	---	---	0	0.004	0.002	0.001	0	0	0	0	---	---	0.001	1980
1981	---	---	0.003	0.005	0.080	0.025	0.005	0	0	0	---	---	0.015	1981
1982	---	---	0.078	0.203	0.080	0.503	0.018	0	0	0	---	---	0.108	1982
1983	---	---	0.001	0.003	0.208	0.022	0.001	0	0	0	---	---	0.030	1983
1984	---	---	0.001	0.003	0.001	0	0	0	0.001	0	---	---	0.001	1984
MEAN	---	---	0.121	0.114	0.211	0.126	0.028	0.008	0.015	0.010	---	---	0.078	MEAN

LOCATION - LAT 49 01 05 N, LONG 111 24 10 W
DRAINAGE AREA, 109 km^2
REGULATED

MINERS COULEE NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA029

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 25 *	---	1966
1967	4.56 AT 04:00 MST ON MAY 9 *	3.82 ON MAY 8 *	0 ON JUL 8	5 940	1967
1968	0.960 AT 20:00 MST ON JUL 1	0.779 ON JUL 2	0 ON JUL 26	2 130	1968
1969	---	2.41 B ON MAR 17	0 ON JUL 26	2 350	1969
1970	1.76 AT 14:20 MST ON JUN 17	1.27 ON JUN 18	0 ON MAR 1	407	1970
1971	4.33 AT 08:00 MST ON JUN 7	2.89 ON JUN 7	0 ON JUN 26	1 020	1971
1972	1.10 AT 18:40 MST ON MAR 17	0.810 ON MAR 17	0 ON MAR 1	602	1972
1973	---	0 ON MAR 1	0 ON MAR 1	0	1973
1974	0.142 AT 18:48 MST ON MAY 22	0.127 ON MAY 27	0 ON MAR 1	67.7	1974
1975	3.54 AT 15:40 MST ON MAY 7	3.37 ON MAY 7	0 ON MAR 1	4 850	1975
1976	0.787 AT 15:10 MST ON MAR 18	0.592 ON MAR 18	0 ON MAY 21	400	1976
1977	---	0 E ON MAR 1	0E ON MAR 1	0	1977
1978	3.37 A AT 21:30 MST ON MAR 21	2.85 A ON MAR 21	0 ON AUG 12	4 820	1978
1979	---	2.50 B ON MAR 7	0 ON JUN 27	4 120	1979
1980	0.0078 AT 08:25 MST ON APR 3	0.007 ON APR 7	0B ON MAR 1	20.8	1980
1981	0.356 AT 09:40 MST ON MAY 22	0.282 ON MAY 22	0 ON MAR 1	314	1981
1982	2.08 AT 13:30 MST ON JUN 3	1.60 ON JUN 4	0B ON MAR 1	2 240	1982
1983	0.981 AT 20:50 MST ON MAY 18	0.781 ON MAY 18	0 ON JUN 26	626	1983
1984	0.004 AT 18:50 MST ON APR 6	0.003 ON MAR 31	0 ON MAY 17	13.7	1984
				1 870	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	---	---	---	---	---	1950
1951	---	---	---	---	---	---	---	---	9.87	---	---	---	---	1951
1952	---	---	---	---	---	12.2	25.8	15.8	8.87	2.82	---	---	---	1952
1953	---	---	---	---	---	15.8	20.8	17.8	8.38	4.00	---	---	---	1953
1954	---	---	---	---	---	14.8	21.9	15.7	7.78	3.23	---	---	---	1954
						15.0	25.8	17.7	10.9	---	---	---	---	
1955	---	---	---	---	---	---	---	---	---	---	---	---	---	1955
1956	---	---	---	---	---	14.1	24.8	14.5	9.05	---	---	---	---	1956
1957	---	---	---	---	---	17.3	20.8	17.0	7.71	---	---	---	---	1957
1958	---	---	---	---	---	15.1	15.7	12.4	8.09	---	---	---	---	1958
1959	---	---	---	---	---	20.3	21.3	20.5	8.89	---	---	---	---	1959
						17.5	22.2	12.5	7.87	3.01	---	---	---	
1960	---	---	---	---	---	2.74	11.7	25.0	15.2	7.74	3.14	---	---	1960
1961	---	---	---	---	---	8.90	25.5	16.0	15.9	7.10	4.08	---	---	1961
1962	---	---	---	---	---	4.85	13.1	15.5	15.5	7.14	3.17	---	---	1962
1963	---	---	---	---	---	---	16.2	21.3	20.2	14.4	5.80	---	---	1963
1964	---	---	---	---	---	3.29	21.7	25.2	15.0	8.72	6.77	---	---	1964
1965	---	---	---	---	---	4.41	15.6	25.3	24.4	10.7	7.35	---	---	1965
1966	---	---	---	---	0.574	8.63	12.6	22.5	17.9	11.3	4.80	2.21	0.894	1966
1967	0.729	0.652	0.978	0.933	4.47	22.7	23.4	15.7	14.0	5.46	2.14	1.20	5.00	1967
1968	0.850	0.486	0.322	0.829	5.18	16.4	21.6	14.8	8.84	3.11	1.69	1.02	5.28	1968
1969	0.814	0.712	0.856	2.14	7.10	20.1	16.9	14.9	7.01	2.68	1.72	0.970	6.33	1969
1970	0.807	0.583	0.639	0.734	3.26	15.1	20.1	15.8	8.12	2.10	1.20	0.888	5.03	1970
1971	0.685	0.557	0.534	1.04	7.34	15.1	15.7	21.0	7.69	2.63	1.48	0.767	5.41	1971
1972	0.680	0.484	0.533	0.700	7.48	23.4	17.7	15.9	7.15	2.82	1.37	0.936	5.87	1972
1973	0.801	0.756	0.788	0.789	6.82	14.6	17.6	15.3	6.80	2.87	1.70	1.01	5.82	1973
1974	0.786	0.680	0.781	1.10	3.82	20.0	19.9	15.1	8.36	3.03	2.07	1.10	5.83	1974
1975	0.786	0.618	0.481	0.804	3.04	9.75	23.5	12.8	6.02	2.88	2.15	1.09	5.25	1975
1976	0.835	0.849	0.828	1.10	7.88	9.84	22.7	20.5	13.0	4.13	1.29	1.02	7.04	1976
1977	0.881	0.877	0.581	1.27	8.31	15.9	15.1	17.4	6.48	2.18	1.34	0.898	5.80	1977
1978	0.852	0.408	0.303	0.756	3.89	15.2	24.4	15.5	12.5	3.85	2.10	1.25	5.78	1978
1979	0.743	0.630	0.880	0.841	4.84	15.8	21.3	17.4	9.87	4.23	1.80	1.02	5.80	1979
1980	0.811	0.434	0.408	2.31	11.9	15.0	17.4	11.1	5.84	4.05	1.42	1.07	5.24	1980
1981	0.902	0.544	0.537	0.701	8.72	10.8	22.6	19.5	9.05	2.56	1.40	1.10	6.88	1981
1982	0.815	0.851	0.762	0.710	3.45	19.3	21.1	15.4	12.3	3.62	1.79	1.10	6.83	1982
1983	0.852	0.572	0.687	0.829	4.85	13.8	19.8	15.5	6.95	2.84	2.55	1.23	5.19	1983
1984	0.810	0.714	0.593	1.18	2.25	14.2	20.7	20.3	7.89	3.70	1.08	0.851	6.21	1984
MEAN	0.738	0.626	0.617	1.02	5.84	15.4	21.1	17.0	8.87	3.82	1.70	1.01	6.43	MEAN

LOCATION - LAT 51 53 00 N DRAINAGE AREA, 249 km²
LONG 115 41 20 W NATURAL FLOW

MISTAYA RIVER NEAR SASKATCHEWAN CROSSING - STATION NO. 05DA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	38.2 AT 05:00 MST ON JUL 15	34.8 ON JUL 15	---	---	1951
1952	27.8 ON AUG 15	25.8 ON JUN 30	---	---	1952
1953	65.4 AT 05:00 MST ON JUL 15 *	58.8 ON JUL 15 *	---	---	1953
1954	36.8 AT 09:00 MST ON JUL 8	37.4 ON JUL 8	---	---	1954
1955	49.8 AT 07:00 MST ON JUL 15	49.0 ON JUL 15	---	---	1955
1956	33.7 AT 05:00 MST ON JUL 22	32.0 ON JUL 23	---	---	1956
1957	25.9 AT 12:00 MST ON JUN 8	25.0 ON JUN 8	---	---	1957
1958	36.2 AT 15:00 MST ON JUN 28	34.0 ON JUN 28	---	---	1958
1959	35.7 AT 09:00 MST ON JUL 25	34.8 ON JUL 25	---	---	1959
1960	34.0 AT 08:00 MST ON JUL 20	33.1 ON JUL 19	---	---	1960
1961	35.1 AT 15:00 MST ON JUN 7	34.3 ON JUN 7	---	---	1961
1962	27.9 AT 21:00 MST ON JUN 25	26.1 ON JUN 26	---	---	1962
1963	33.4 AT 08:00 MST ON JUL 9	32.6 ON JUL 9	---	---	1963
1964	35.7 AT 04:00 MST ON JUL 10	34.5 ON JUL 14	---	---	1964
1965	---	34.5 ON JUL 9	---	---	1965
1966	---	29.2A ON JUL 9	---	---	1966
1967	32.3 AT 12:00 MST ON JUL 5	31.4 ON JUN 22	0.6710 ON JAN 17	252 000	1967
1968	36.2 AT 01:10 MST ON JUL 13	34.3 ON JUL 10	0.3588 ON MAR 4 *	188 000	1968
1969	25.5 AT 08:52 MST ON JUN 21	25.9 ON JUN 21	0.5100 ON MAR 11	200 000	1969
1970	28.1 AT 05:30 MST ON JUL 9	28.6 ON JUL 9	0.4078 ON FEB 25	180 000	1970
1971	29.4 AT 08:00 MST ON JUL 24	29.2 ON AUG 9	0.5100 ON FEB 21	202 000	1971
1972	41.1 AT 18:30 MST ON JUN 11	38.6 ON JUN 11	0.4638 ON JAN 28	217 000	1972
1973	36.1 AT 21:40 MST ON JUN 24	31.7 ON JUN 24	0.7388 ON FEB 9	184 000	1973
1974	44.8 AT 10:20 MST ON JUN 24	43.3 ON JUN 24	0.8238 ON MAR 30	208 000	1974
1975	37.8 AT 07:00 MST ON JUL 15	38.2 ON JUL 15	0.4818 ON FEB 10	188 000	1975
1976	31.4 AT 11:30 MST ON SEP 5	30.3 ON SEP 5	0.8238 ON MAR 25	223 000	1976
1977	28.8 AT 08:00 MST ON JUN 9	24.6 ON JUN 9	0.5388 ON MAR 15	177 000	1977
1978	30.9 AT 02:00 MST ON JUL 10	28.4 ON JUL 8	0.2758 ON MAR 23	213 000	1978
1979	---	30.0E ON JUL 21	0.5808 ON APR 5	208 000	1979
1980	31.4 AT 11:40 MST ON JUN 17	30.7 ON JUN 17	0.3828 ON MAR 3	187 000	1980
1981	35.4 AT 03:25 MST ON JUL 15	33.8 ON JUL 15	0.4788 ON FEB 10	211 000	1981
1982	34.8 AT 08:00 MST ON JUL 22	33.8 ON JUL 22	0.4788 ON FEB 10	218 000	1982
1983	38.4 AT 10:25 MST ON JUL 14	35.8 ON JUL 14	0.4408 ON APR 15	185 000	1983
1984	43.8 AT 03:00 MST ON JUN 30	39.5 ON JUN 30	0.5108 ON MAR 15	188 000	1984
				203 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MODESTE CREEK NEAR BRETON - STATION NO. 05DE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.434	---	---	---	---	---	1972
MEAN	---	---	---	---	---	---	---	0.434	---	---	---	---	---	MEAN

LOCATION - LAT 53 08 15 N LONG 114 30 34 W
DRAINAGE AREA, 374 km²
NATURAL FLOW

MONITOR CREEK NEAR CONSORT - STATION NO. 05GA011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	0.001	0.004	0	0	0	---	---	---	1983
1984	---	---	0.032	0.007	0.001	0.001	0	0.029	0.003	0.001	---	---	0.009	1984
MEAN	---	---	0.032	0.007	0.001	0.001	0.002	0.015	0.002	0.001	---	---	0.009	MEAN

LOCATION - LAT 51 52 26 N LONG 110 46 37 W
DRAINAGE AREA, 910 km²
REGULATED

MONITOR CREEK NEAR CONSORT - STATION NO. 05GA011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	---	---	0A ON MAY 30 *	---	1983
1984	2.47 AT 23:43 MST ON AUG 3 *	0.555 ON AUG 4 *	0B ON MAR 1	196	1984
				196	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MONITOR CREEK NEAR MONITOR - STATION NO. 05GA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1964	---	---	0	0.234	0.056	0.039	0.004	0.081	0.180	0.028	---	---	0.072	1964
1965	---	---	0.114	0.315	0.187	0.020	0.003	0.004	0	0.005	---	---	0.078	1965
1966	---	---	0	4.34	0.554	0.102	0.181	0.044	0.086	0.037	---	---	0.858	1966
1967	---	---	0.141	0.222	0.037	0.005	0	0.014	0.017	0.018	---	---	0.057	1967
1968	---	---	0	1.88	0.045	0.013	0.005	0.011	0	0	---	---	0.237	1968
1969	---	---	0.100	0.017	0.005	0	0	0	0	0.001	---	---	0.015	1969
1970	---	---	0.259	0.024	0	0	0	0	0	0	---	---	0.038	1970
1971	---	---	0.013	0.010	0.002	0	0	0	0	0	---	---	0.003	1971
1972	---	---	0	0.263	0	0	0.580	0.039	0.008	0	---	---	0.113	1972
1973	---	---	0.749	0.104	0.015	0.050	0.530	0.007	0	0	---	---	0.183	1973
1974	---	---	0	0.008	0.034	0.001	0	0	0.001	0	---	---	0.005	1974
1975	---	---	0	5.18	0.189	0.138	0.082	0.001	0	0.028	---	---	0.891	1975
1976	---	---	0.059	0.058	0.003	0.008	0	0.033	0	0.005	---	---	0.020	1976
1977	---	---	0	0.780	0.287	0.035	0	0	0	0	---	---	0.137	1977
1978	---	---	0.408	0.104	0.004	0.002	0	0	0.005	0	---	---	0.068	1978
1979	---	---	0	3.58	0.100	0	0.004	0	0.027	0	---	---	0.452	1979
1970	---	---	0	1.33	0.051	0.005	0.007	0	0.011	0	---	---	0.172	1970
1971	---	---	0	2.53	0.533	0	0	0.042	0	0	---	---	0.382	1971
1972	---	---	0.005	0.173	0.004	0	0.018	0.004	0.021	0.024	---	---	0.030	1972
1973	---	---	0.035	0.088	0.008	0.848	0.034	0	0	0.025	---	---	0.140	1973
1974	---	---	0	3.80	1.53	0.080	0.001	0.052	0	0.048	---	---	0.883	1974
1975	---	---	0	0.591	0.552	0.088	0.004	0	0.113	0.020	---	---	0.188	1975
1976	---	---	0.114	0.503	0.025	0.011	0.037	0	0	0.002	---	---	0.085	1976
1977	---	---	0.001	0.035	0.888	0.001	0	0	0	0	---	---	0.067	1977
1978	---	---	0.285	0.238	0.003	0.008	0	0	0	0	---	---	0.067	1978
1979	---	---	0.858	0.050	0.028	0	0	0	0	0	---	---	0.083	1979
1980	---	---	0.005	0.088	0	0.003	0.002	0	0	0	---	---	0.010	1980
1981	---	---	0.173	0.071	0.018	0	0	0	0	0	---	---	0.033	1981
1982	---	---	0	0.087	0.012	0.005	0.158	0.003	0	0	---	---	0.031	1982
1983	---	---	0.085	0.084	0.023	0.023	0.057	0.003	0	0	---	---	0.031	1983
1984	---	---	0.104	0.054	0.001	0.017	0.002	0	0.023	0.015	---	---	0.027	1984
MEAN	---	---	0.108	0.883	0.155	0.052	0.058	0.010	0.015	0.008	---	---	0.158	MEAN

LOCATION - LAT 51 58 10 N LONG 110 34 30 W
DRAINAGE AREA, 1 440 km²
REGULATED

MONITOR CREEK NEAR MONITOR - STATION NO. 05BA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	1.78 B AT 07:45 MST ON APR 14	1.61 B ON APR 14	0B ON MAR 1 *	1 520	1984
1985	2.10 B AT 08:15 MST ON MAR 21	1.95 B ON MAR 31	0B ON MAR 1	1 650	1985
1986	20.3 B AT 21:00 MST ON APR 15 *	18.5 B ON APR 15	0B ON MAR 1	14 000	1986
1987	0.9068 AT 13:30 MST ON MAR 23	0.7938 ON MAR 24	0B ON MAR 1	1 200	1987
1988	13.1 B AT 10:00 MST ON APR 5	12.7 B ON APR 5	0B ON MAR 1	5 020	1988
1989	0.3588 AT 08:00 MST ON MAR 18	0.3588 ON MAR 18	0B ON MAR 1	327	1989
1990	---	2.10 B ON MAR 21	0B ON MAR 1	758	1990
1991	0.118 AT 18:30 MST ON APR 3	0.108 ON APR 4	0B ON MAR 1	58.6	1991
1992	5.92 AT 12:00 MST ON JUL 15	4.30 ON JUL 15	0B ON MAR 1	2 380	1992
1993	---	2.70 ON JUL 10	0B ON MAR 1	3 890	1993
1994	---	0.173 ON MAY 7	0B ON MAR 1	111	1994
1995	---	25.9 ON APR 12 *	0B ON MAR 1	14 600	1995
1996	---	0.8518 ON MAR 31	0B ON MAR 1	428	1996
1997	---	3.09 ON APR 30	0B ON MAR 1	2 910	1997
1998	---	3.08 B ON MAR 1	0B ON MAR 14	1 390	1998
1999	---	15.1 ON APR 9	0B ON MAR 1	9 670	1999
1970	---	8.09 B ON APR 11	0B ON MAR 1	3 830	1970
1971	---	10.7 B ON APR 15	0B ON MAR 1	8 090	1971
1972	---	0.5808 ON APR 8	0B ON MAR 1	841	1972
1973	---	9.34 ON JUN 15	0B ON MAR 1	2 980	1973
1974	---	17.1 ON APR 21	0B ON MAR 1	14 600	1974
1975	---	3.23 B ON APR 24	0B ON MAR 1	3 880	1975
1976	2.81 B AT 02:30 MST ON APR 1	2.57 B ON APR 1	0B ON MAR 1	1 810	1976
1977	3.08 AT 12:00 MST ON MAY 12	2.15 ON MAY 12	0B ON MAR 1	1 420	1977
1978	---	1.81 B ON MAR 28	0B ON MAR 1	1 420	1978
1979	---	2.95 B ON MAR 17	0 ON MAR 1	1 870	1979
1980	0.320 AT 08:00 MST ON APR 4	0.2028 ON APR 4	0B ON MAR 1	202	1980
1981	---	0.7808 ON MAR 18	0B ON MAR 1	700	1981
1982	2.78 AT 10:28 MST ON JUL 3	2.02 ON JUL 3	0B ON MAR 1	851	1982
1983	---	0.8378 ON MAR 30	0B ON MAR 1	848	1983
1984	---	0.8838 ON MAR 28	0B ON MAR 1	872	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 310	MEAN

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0.158	0.080	---	---	---	1975
1976	---	---	0	2.18	0.551	1.78	1.17	1.23	0.278	0.206	---	---	0.818	1976
1977	---	---	0.001	1.80	1.80	3.88	0.281	0.082	0.052	0.135	---	---	0.884	1977
1978	---	---	0	0.807	1.48	0.281	0.012	0	0.093	0.111	---	---	0.319	1978
1979	---	---	0	1.02	2.34	1.47	1.80	0.283	0.088	0.081	---	---	0.894	1979
1980	---	---	0.001	0.189	0.089	0.180	0.085	0.012	0.072	0.080	---	---	0.082	1980
1981	---	---	0.001	2.23	1.53	0.249	0.189	0.018	0	0	---	---	0.537	1981
1982	---	---	0	0.885	1.58	0.051	0	0.021	0.001	0.001	---	---	0.314	1982
1983	---	---	0	0.617	0.304	0.741	1.50	0.818	0.014	0.034	---	---	0.478	1983
1984	---	---	0.058	0.831	3.88	0.802	0.788	0.040	0.083	0.048	---	---	0.734	1984
MEAN	---	---	0.010	1.14	1.47	0.994	0.883	0.251	0.082	0.071	---	---	0.582	MEAN

LOCATION - LAT 56 33 00 N DRAINAGE AREA, 230 km^2
LONG 118 42 40 W NATURAL FLOW

MONTAGNEUSE RIVER NEAR HINES CREEK - STATION NO. 07FD012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	12.1 AT 19:30 MST ON JUN 28	11.2 ON JUN 28	0B ON MAR 1 *	18 400	1976
1977	10.2 AT 13:00 MST ON JUN 11	8.74 ON JUN 11	0B ON MAR 1	20 400	1977
1978	3.37 AT 02:30 MST ON MAY 2	3.26 ON MAY 1	0B ON MAR 1	8 750	1978
1979	9.38 AT 13:00 MST ON APR 30	9.08 ON APR 30	0B ON MAR 1	19 900	1979
1980	0.8528 AT 08:00 MST ON APR 18	0.584 ON JUN 18	0B ON MAR 1	1 730	1980
1981	10.5 B AT 00:00 MST ON APR 23	9.01 B ON APR 23	0B ON MAR 1	11 400	1981
1982	6.86 AT 13:00 MST ON APR 26	5.70 ON APR 26	0B ON MAR 1	8 840	1982
1983	8.39 AT 13:30 MST ON JUL 28	8.01 ON JUL 28	0B ON MAR 1	10 100	1983
1984	30.8 AT 15:30 MST ON MAY 22 *	26.9 ON MAY 22 *	0B ON MAR 1	15 800	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		12 300	MEAN

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.002R	0.007R	0.008R	0.015R	---	---	---	1978
1979	---	---	0.004	0.278	0.309	0.134	0.085	0.009	0.010	0.008	---	---	0.101	1979
1980	---	---	0.001	0.144	0.018	0.005	0.007	0.012	0.011	0.018	---	---	0.028	1980
1981	---	---	0.088	0.157	0.009	0.011	0.050	0.004	0	0	---	---	0.037	1981
1982	---	---	0	0.133	0.088	0.001	0.071	0.027	0.004	0	---	---	0.038	1982
1983	---	---	0	0.031	0.024	0.012	0.078	0.004	0.029	0.005	---	---	0.023	1983
1984	---	---	0.028	0.077	0.082	0.100	0.002	0.001	0.002	0.002	---	---	0.038	1984
MEAN	---	---	0.017	0.137	0.084	0.044	0.038R	0.009R	0.009R	0.006R	---	---	0.044	MEAN

LOCATION - LAT 53 56 02 N
LONG 110 48 36 W
DRAINAGE AREA, 36.5 km²
NATURAL FLOW

R - REVISED SINCE JAN 1980

MOOSEHILLS CREEK NEAR ELK POINT - STATION NO. 05ED003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	---	---	1978
1979	---	1.12 ON APR 24 *	0.001E ON MAR 1	2 130	1979
1980	---	0.490 ON APR 15	0 ON JUN 7 *	551	1980
1981	1.32 AT 00 30 MST ON MAR 30	0.5908 ON MAR 31	0 ON JUN 4	788	1981
1982	---	0.5559 ON APR 25	0 B ON MAR 1	796	1982
1983	0.381 AT 07 58 MST ON JUL 28	0.302 ON JUL 28	0 B ON MAR 1	491	1983
1984	2.24 AT 10 27 MST ON MAY 22 *	0.356 ON MAY 18	0 B ON MAR 1	770	1984
				921	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 06AC006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	---	0.018	0.010	---	1980
1981	0	0	0.050	1.88	1.20	0.197	0.013	0.007	0.001	0.002	0.001	0	0.282	1981
1982	0	0	0	0.084	0.025	0.013	0.037	0.033	0.014	0.008	0.008	0.005	0.019	1982
1983	0	0	0	0.012	0.004	0.013	0.038	0.008	0.002	0.003	0.007	0.003	0.007	1983
1984	0.001	0	0.008	0.020	0.004	0.036	0.002	0.003	0.005	0.007	0.002	0.001	0.007	1984
MEAN	0	0	0.015	0.449	0.308	0.065	0.022	0.013	0.005	0.005	0.007	0.004	0.074	MEAN

LOCATION - LAT 54 20 25 N
LONG 111 00 10 W
DRAINAGE AREA, 1 010 km²
NATURAL FLOW

MOOSELAKE RIVER NEAR FRANCHERE - STATION NO. 06AC006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	0B ON DEC 30 *	---	1980
1981	2.36 AT 04:00 MST ON APR 22 *	2.32 ON APR 22 *	0B ON JAN 1	8 260	1981
1982	---	0.3708 ON APR 25	0B ON JAN 1	597	1982
1983	---	0.180 ON JUL 2	0B ON JAN 10	231	1983
1984	---	0.1238 ON OCT 25	0B ON JAN 18	237	1984
				2 330	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR WANTON - STATION NO. 05AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	1.24	0.727	0.898	---	---	---	1908
1909	---	---	---	---	4.24	0.970	1.17	0.286	0.168	0.139	---	---	---	1909
1910	---	---	---	0.525	0.152	0.037	0	0	0.050	0.048	---	---	0.115	1910
1911	---	---	---	0.201	0.232	0.081	0.078	0.251	0.188	0.143	---	---	0.185	1911
1912	---	---	---	---	---	---	0.873	0.580	0.487	0.404	---	---	---	1912
1913	---	---	---	---	0.847	0.880	1.02	0.879	0.189	0.208	---	---	---	1913
1914	---	---	---	1.23	0.300	0.083	0.014	0	0	0.235	---	---	0.283	1914
1915	---	---	---	0.148	2.08	7.27	6.46	3.86	1.28	1.01	---	---	3.03	1915
1916	---	---	---	2.30	3.24	6.13	2.46	3.44	4.31	2.54	---	---	3.18	1916
1917	---	---	---	4.35	4.88	10.8	2.43	1.23	0.788	0.603	---	---	3.54	1917
1918	---	---	---	1.45	0.339	0.084	0.019	0.271	0.049	0.041	---	---	0.318	1918
1919	---	---	0.038	0.815	0.134	0.013	0	0	0.002	0.008	---	---	0.108	1919
MEAN	---	---	0.038	1.38	1.61	2.83	1.32	0.843	0.588	0.502	---	---	1.34	MEAN

LOCATION - LAT 50 22 34 N
LONG 113 49 39 W
DRAINAGE AREA, 522 km²
NATURAL FLOW

MOSQUITO CREEK NEAR NANTON - STATION NO. 05AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---		
1909	---	38.4 ON MAY 24	---	---	1908
				---	1909
1910	---	---	---		
1911	---	1.32 ON APR 1	0 ON JUL 5 *	2 120	1910
1912	---	1.81 ON MAY 13	0.003 ON JUN 15	3 050	1911
1913	---	4.45 ON JUN 16	---	---	1912
1914	---	4.78 ON AUG 9	---	---	1913
		2.48 ON APR 4	0 ON JUL 17	4 880	1914
1915	---	---	---		
1916	---	44.5 ON JUN 25 *	0.102 ON APR 3	55 000	1915
1917	---	24.0 ON SEP 4	0.481 ON APR 28	53 800	1916
1918	---	33.1 ON JUN 11	0.0578 ON APR 1	85 500	1917
1919	---	5.13 ON APR 15	0.002 ON AUG 3	5 900	1918
		1.428 ON APR 5	0 ON JUN 14	2 010	1919
				24 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.207	0.882	0.484	0.824	0.808	0.513	0.471	0.313	---	---	0.598	1982
1983	---	---	0.388	0.488	0.617	0.678	0.650	0.381	0.172	0.178	---	---	0.435	1983
1984	---	---	0.088	0.180	0.378	0.828	0.818	0.487	0.346	0.218	---	---	0.415	1984
MEAN	---	---	0.217	0.843	0.480	0.810	0.788	0.460	0.330	0.237	---	---	0.479	MEAN

LOCATION - LAT 50 15 20 N
LONG 113 33 15 W
DRAINAGE AREA, 838 km^2
REGULATED

MOSQUITO CREEK NEAR THE MOUTH - STATION NO. 05AC031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	5.87 AT 10:55 MST ON JUL 1 *	4.87 ON JUL 1 *	0 B ON MAR 1 *	12 700	1982
1983	---	1.398 ON MAR 12	0.0898 ON MAR 30	9 020	1983
1984	1.26 AT 18:58 MST ON JUL 18	1.12 ON JUL 30	0 B ON MAR 1	8 790	1984
				10 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOUNTAIN VIEW CANAL BELOW MAMI CREEK - STATION NO. 05AD033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	0.004	0.005	0.588	0.587	0.385	0.808	0.017	0.001	---	0.348	1961
1962	---	---	0.008	0.028	0.002	0.489	0.402	0.387	0.486	0.311	0.018	---	0.313	1962
1963	---	---	---	0.001	0.653	0.556	0.235	0.778	0.844	0.108	0.080	---	0.406	1963
1964	---	---	---	0.006	0.008	0.047	0.488	1.00	0.288	0.291	0.088	---	0.278	1964
1965	---	---	---	0.008	0.008	0.188	0.018	0.348	0.188	0.123	0.038	---	0.108	1965
1966	---	---	---	0.008	0.047	0.308	0.144	0.871	0.887	0.188	0	---	0.232	1966
1967	---	---	---	0.008	0.048	0.018	0.153	0.838	0.848	0.283	0	---	0.288	1967
1968	---	---	---	0.007	0.004	0.220	0.188	0.017	0.018	0.003	0.012	---	0.080	1968
1969	---	---	---	0.012	0.148	0.183	0.054	0.588	0.843	0.208	0	---	0.267	1969
1970	---	---	---	0	0.007	0.123	0.280	0.438	0.833	0.484	0.002	---	0.244	1970
1971	---	---	---	0.011	0.188	0.383	0.278	0.777	0.784	0.188	0	---	0.328	1971
1972	---	---	---	0.008	0.008	0.057	0.188	0.172	0.278	0.471	0.011	---	0.180	1972
1973	---	---	---	0.003	0.221	0.802	0.552	0.834	0.884	0.142	0	---	0.418	1973
1974	---	---	0	0.008	0.007	0.177	0.878	0.583	0.284	0.258	0.134	---	0.284	1974
MEAN	---	---	0.004	0.008	0.088	0.388	0.308	0.550	0.550	0.218	0.028	---	0.284	MEAN

LOCATION - LAT 48 08 27 N
LONG 113 37 47 W
REGULATED

MOUNTAIN VIEW CANAL BELOW MAMI CREEK - STATION NO. 05AD023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	1.59 ON JUN 17 *	0 ON MAY 22 *	7 300	1981
1982	---	1.36 ON JUN 12	0 ON MAY 4	6 800	1982
1983	---	1.52 ON SEP 8	0 ON APR 13	8 610	1983
1984	---	1.50 ON AUG 18	0B ON APR 1	5 860	1984
1985	---	1.09 ON AUG 20	0B ON APR 1	2 280	1985
1986	---	1.18 ON SEP 18	0 ON MAY 19	4 900	1986
1987	---	1.19 ON SEP 1	0B ON APR 1	8 080	1987
1988	---	0.748 ON JUN 29	0 ON MAY 19	1 260	1988
1989	---	1.14 ON SEP 12	0B ON APR 1	5 640	1989
1970	---	1.19 ON AUG 25	0B ON APR 1	5 140	1970
1971	---	1.18 ON AUG 19	0 ON APR 1	8 850	1971
1972	---	0.841 ON OCT 20	0E ON NOV 14	3 150	1972
1973	---	1.11 ON JUN 14	0 ON MAY 10	8 830	1973
1974	---	1.49 ON AUG 10	0E ON APR 1	5 550	1974
				5 580	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO 05AD017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	---	0.001	0.019	0.891	0.759	0.126	0.102	0	0	---	0.237	1935
1936	---	---	---	0	0.771	0.907	0.891	0.115	0	0	0	---	0.337	1936
1937	---	---	---	0	1.27	0.468	0.836	0.818	0.581	0.054	0	---	0.522	1937
1938	---	---	0.179	0.185	0.125	0.287	0.341	0.808	0.548	0.351	0	---	0.304	1938
1939	---	---	---	0	0.730	0.275	0.995	0.644	0.821	0.068	0	---	0.420	1939
1940	---	---	---	0.818	1.04	0.918	0.884	0.539	0.635	0	0	---	0.576	1940
1941	---	---	---	0	0.889	0.852	0.884	0.320	0.901	0	0	---	0.428	1941
1942	---	---	---	0	0	0	0	0	0	0	0	---	0	1942
1943	---	---	---	0.322	0.205	0.230	0.083	0.231	0.856	0.856	0.414	---	0.349	1943
1944	---	---	---	0.256	1.34	1.21	1.05	0.730	0.777	0.848	0.264	---	0.798	1944
1945	---	---	---	0	0.106	0.258	0.081	0.420	0.817	0.881	0.351	---	0.342	1945
1946	---	---	---	0	0.747	0.787	0.048	0.128	0.009	0.446	0	---	0.288	1946
1947	---	---	---	0.144	0.527	1.25	0.870	0.818	0.401	0	0	---	0.490	1947
1948	---	---	---	0	0.542	0.303	0.013	0.004	0.390	0.011	0.158	---	0.177	1948
1949	---	---	---	0.232	1.02	0	0.191	0.120	0	0	1.49	---	0.381	1949
1950	---	---	---	0	0.100	0.583	1.58	0.067	1.64	1.31	0	---	0.672	1950
1951	---	---	---	0	0	0.184	0.180	0.521	0.047	0.105	0	---	0.131	1951
1952	---	---	---	0	0.284	1.17	0.500	0.488	0.880	0.899	0.111	---	0.516	1952
1953	---	---	0.003	0.108	0.327	0.385	0.133	0.805	0.834	1.11	0.231	---	0.518	1953
1954	---	---	0.028	0.068	0.211	0.282	1.57	0.032	0.013	0.013	0	---	0.278	1954
1955	---	---	0	0	0.221	0.279	0.201	0.213	1.12	0.725	0.018	---	0.347	1955
1956	---	---	---	0	0.212	2.50	0.951	1.08	1.21	0.111	0	---	0.786	1956
1957	---	---	0	0.014	1.20	1.97	0.592	1.77	1.51	0.739	0	---	0.976	1957
1958	---	---	---	0.031	0.483	1.16	0.109	0.947	0.677	1.86	0.025	---	0.584	1958
1959	---	---	0.003	0.058	0.127	0.889	1.83	0.854	2.18	0.220	0	---	0.718	1959
1960	---	---	---	0.263	0.143	1.28	2.84	1.20	0.921	1.34	0.104	---	1.02	1960
1961	---	---	0.018	0.584	1.39	3.10	1.88	1.35	1.38	0.815	0.001	---	1.31	1961
1962	---	---	0.051	0.131	0.044	2.18	2.14	0.639	2.03	0.004	0.228	---	0.946	1962
1963	---	---	0.002	0.882	2.98	2.88	1.25	2.11	1.96	0.776	0.844	---	1.68	1963
1964	---	---	0	0.017	0.215	0.755	1.57	2.20	2.59	0.783	0.724	---	1.11	1964
1965	---	---	0	0.088	0.485	0.479	0.142	2.69	0.518	0.014	0.318	---	0.595	1965
1966	---	---	0.018	0.071	0.318	0.436	1.51	1.50	2.49	0.715	0.104	---	0.896	1966
1967	---	---	---	0.024	0.448	0.383	1.08	3.36	1.66	2.10	0.154	---	1.18	1967
1968	---	---	---	0.037	0.985	0.886	1.06	1.38	0.408	0.126	0.063	---	0.621	1968
1969	---	---	---	0.084	0.199	1.81	0.539	1.59	1.17	0.009	0.002	---	0.874	1969
1970	---	---	---	0	2.59	1.55	1.29	2.58	2.03	0.581	0.035	---	1.34	1970
1971	---	---	---	0.030	1.48	0.971	2.00	1.81	2.30	0.318	0.002	---	1.12	1971
1972	---	---	---	0.080	0.103	0.052	0.947	0.914	1.31	0.781	0.003	---	0.526	1972
1973	---	---	---	0.087	0.933	2.84	2.78	2.62	1.83	0.879	0	---	1.50	1973
1974	---	---	---	0.038	0.171	1.24	2.27	2.56	0.888	0.606	0.221	---	1.01	1974
1975	---	---	---	0.044	0.557	0.317	0.080	1.72	1.23	0.803	0.001	---	0.572	1975
1976	---	---	---	0.088	0.202	1.01	1.40	1.28	1.26	1.11	0.002	---	0.784	1976
1977	---	---	---	0.378	2.77	3.32	3.18	1.31	0.990	0.504	0	---	1.56	1977
1978	---	---	---	0.020	0.086	0.431	0.889	0.950	0.349	0.402	0	---	0.381	1978
1979	---	---	---	0.084	0.155	1.24	2.05	0.825	1.35	0.180	0.146	---	0.786	1979
1980	---	---	---	0.715	2.21	0.102	1.55	1.37	1.01	0.753	0.027	---	0.974	1980
1981	---	---	---	0.043	0.378	0.176	1.10	1.58	1.67	0.720	0.006	---	0.714	1981
1982	---	---	---	0.013	0.155	1.28	1.18	2.81	1.75	0.890	0.005	---	0.990	1982
1983	---	---	---	0.034	0.541	2.39	1.97	2.34	2.08	0.592	0.089	---	1.25	1983
1984	---	---	---	0.005	1.84	2.29	2.81	2.84	1.84	0.484	0	---	1.42	1984
MEAN	---	---	0.025	0.117	0.867	1.02	1.10	1.18	1.07	0.614	0.120	---	0.722	MEAN

LOCATION - LAT 49 06 00 N
LONG 113 41 30 W
REGULATED
INTERNATIONAL GAUGING STATION

MOUNTAIN VIEW IRRIGATION DISTRICT CANAL - STATION NO. 05AD017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---				
1936	---	1.20 ON JUN 9	0 ON APR 1 *	5 000	1936
1937	---	1.84 ON JUN 1	0 ON APR 1	7 120	1936
1938	---	1.75 ON JUL 5	0 ON APR 1	11 000	1937
1939	---	1.31 ON AUG 18	0 ON AUG 11	5 400	1938
		1.59 ON JUL 9	0 ON APR 1	5 850	1939
1940	---				
1941	---	2.04 ON APR 22	0 E ON OCT 1	12 200	1940
1942	---	1.33 ON SEP 14	0 ON APR 1	9 030	1941
1943	---	0 ON APR 1	0 ON APR 1	0	1942
1944	---	2.12 ON APR 5	0 ON JUL 16	7 350	1943
		1.70 ON JUN 17	0 ON APR 1	15 800	1944
1945	---				
1946	---	1.10 ON SEP 23	0 ON APR 1	7 210	1945
1947	---	1.27 ON JUN 8	0 ON APR 1	5 680	1946
1948	---	1.38 ON JUN 8	0 E ON OCT 1	10 300	1947
1949	---	1.28 ON JUN 17	0 ON APR 1	3 730	1948
		2.52E ON NOV 12	0 ON APR 1	5 020	1949
1950	---				
1951	---	3.82 ON JUL 3	0 ON APR 1	14 200	1950
1952	---	1.10 ON AUG 19	0 ON APR 1	2 760	1951
1953	---	1.93 ON JUN 7	0 ON APR 1	10 800	1952
1954	---	2.15 ON AUG 24	0.0038 ON APR 24	10 900	1953
		2.86 ON JUL 8	0 ON NOV 3	5 850	1954
1955	---				
1956	---	2.84 ON SEP 5	0 B ON APR 1	7 320	1955
1957	---	3.81 ON JUN 15	0 ON APR 1	15 800	1956
1958	---	4.02 ON AUG 15	0 B ON APR 1	20 800	1957
1959	---	3.57 ON AUG 21	0 B ON APR 5	14 000	1958
		3.46 ON JUL 23	0 B ON APR 1	15 100	1959
1960	---				
1961	---	4.05 ON JUN 30	0 ON AUG 14	21 500	1960
1962	---	4.38 ON JUN 8	0 ON AUG 31	27 700	1961
1963	---	3.78 ON SEP 12	0 ON AUG 6	20 000	1962
1964	---	4.19 ON JUN 5	0 E ON NOV 20	35 100	1963
		4.59 ON JUN 4	0 E ON NOV 20	23 400	1964
1965	---				
1966	---	4.19 ON AUG 5	0 B ON APR 1	12 800	1965
1967	---	3.43 ON AUG 20	0.008 ON NOV 23	18 800	1966
1968	---	3.78 ON AUG 26	0 ON NOV 18	24 500	1967
1969	---	3.06 ON JUN 22	0.003 ON APR 1	13 100	1968
		4.62 ON JUN 6	0 B ON APR 1	14 200	1969
1970	---				
1971	---	5.30 ON MAY 24 *	0 B ON APR 1	28 200	1970
1972	---	2.84 ON AUG 15	0 B ON APR 1	23 800	1971
1973	---	2.89 ON JUL 19	0 ON NOV 3	11 100	1972
1974	---	4.78 ON JUN 2	0 B ON APR 1	31 800	1973
		4.42 ON JUL 30	0 B ON APR 1	21 200	1974
1975	---				
1976	---	2.82 ON AUG 13	0 B ON APR 1	12 000	1975
1977	---	3.34 ON JUL 24	0 B ON APR 1	18 700	1976
1978	---	4.28 ON MAY 12	0 ON SEP 2	33 000	1977
1979	---	1.42 ON AUG 22	0 E ON NOV 1	5 250	1978
		3.47 ON JUL 7	0 B ON APR 1	18 000	1979
1980	---				
1981	---	5.19 ON MAY 18	0 ON APR 1	20 500	1980
1982	---	2.20 ON AUG 15	0 ON NOV 11	15 100	1981
1983	---	3.30 ON AUG 4	0 B ON APR 1	20 900	1982
1984	---	3.32 ON AUG 12	0 ON APR 1	25 400	1983
		3.73 ON JUL 30	0 ON APR 1	29 800	1984
				15 200	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	---	---	---	0.841	0.213	0.138	0.114	---	1949
1950	0.085	0.057	0.057	0.028	0.110	2.11	2.00	1.03	0.444	0.208	---	---	0.880	1950
1951	---	---	---	---	---	1.84	3.15	1.15	0.888	0.340	---	---	---	1951
1952	---	---	---	---	---	1.88	1.53	1.11	0.515	0.228	---	---	---	1952
1953	---	---	---	---	---	2.44	2.43	1.15	0.571	0.284	---	---	---	1953
1954	---	---	---	---	---	2.21	3.04	1.15	0.582	0.219	0.091	---	---	1954
1955	---	---	---	---	---	2.45	2.40	1.12	0.588	0.247	---	---	---	1955
1956	---	---	---	---	---	2.72	2.28	1.18	0.578	0.250	---	---	---	1956
1957	---	---	---	---	---	1.87	1.33	0.785	0.478	0.270	---	---	---	1957
1958	---	---	---	---	1.18	1.88	1.80	1.18	0.807	0.287	---	---	1.08	1958
1959	---	---	---	---	---	2.82	1.88	1.03	0.808	0.443	---	---	---	1959
1960	---	---	---	---	0.272	3.21	3.28	1.85	0.838	0.305	---	---	1.59	1960
1961	---	---	---	---	---	4.76	2.85	2.18	0.758	0.527	---	---	---	1961
1962	---	---	---	---	0.837	2.83	1.86	1.57	0.788	0.372	---	---	1.36	1962
1963	---	---	---	---	---	3.43	3.09	1.53	1.36	0.488	---	---	---	1963
1964	---	---	---	---	---	4.78	3.47	1.41	0.733	0.582	---	---	---	1964
1965	---	---	---	---	---	3.48	3.25	2.23	0.810	0.570	---	---	---	1965
1966	---	---	---	---	---	3.80	3.17	1.58	0.909	0.478	---	---	---	1966
1967	---	---	---	---	---	5.08	3.78	2.03	1.12	0.513	---	---	---	1967
1968	---	---	---	---	0.788	3.35	2.88	1.62	0.887	0.351	---	---	1.85	1968
1969	---	---	---	---	1.48	3.85	2.26	1.33	0.897	0.368	---	---	1.61	1969
1970	---	---	---	---	0.841	4.23	2.54	1.35	0.588	0.245	---	---	1.59	1970
1971	---	---	---	---	1.21	4.22	2.73	2.10	0.856	0.295	---	---	1.85	1971
1972	---	---	---	---	0.851	5.10	2.81	2.13	0.875	0.287	---	---	1.83	1972
1973	---	---	---	---	0.885	3.17	2.44	1.47	0.734	0.288	---	---	1.48	1973
1974	---	---	---	---	0.327	5.29	3.23	1.86	0.839	0.300	---	---	1.86	1974
1975	---	---	---	---	0.201	2.82	3.40	1.58	0.594	0.278	---	---	1.47	1975
1976	---	---	---	---	1.38	2.32	3.26	2.54	1.38	0.449	---	---	1.89	1976
1977	---	---	---	---	0.785	2.40	1.88	1.88	0.838	0.288	---	---	1.31	1977
1978	---	---	---	---	0.805	3.87	2.83	1.35	1.23	0.483	---	---	1.67	1978
1979	---	---	---	---	0.728	2.88	1.93	1.42	0.788	0.319	---	---	1.28	1979
1980	---	---	---	---	2.81	2.81	1.78	1.44	0.780	0.573	---	---	1.88	1980
1981	---	---	---	---	1.85	2.81	3.81	2.12	0.854	0.309	---	---	1.85	1981
1982	---	---	---	---	0.881	4.27	2.34	1.54	1.00	0.401	---	---	1.70	1982
1983	---	---	---	---	1.17	2.72	2.88	1.81	0.514	0.239	---	---	1.48	1983
1984	---	---	---	---	0.370	3.34	2.37	1.85	0.741	0.443	---	---	1.48	1984
MEAN	0.085	0.057	0.057	0.028	0.895	3.18	2.80	1.54	0.788	0.353	0.114	0.114	1.57	MEAN

LOCATION - LAT 50 47 30 N
LONG 115 18 00 W

DRAINAGE AREA, 29.0 km²
REGULATED SINCE 1949

DATA CONTRIBUTED BY -
TRANSALTA UTILITIES CORPORATION

MUD LAKE DIVERSION CANAL - STATION NO. 05BF013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1949	---	---	---	---	1949
1950	---	4.53 ON JUN 16	0.037E ON MAY 1	15 800	1950
1951	---	5.15 ON JUN 15	---	---	1951
1952	---	3.28 ON JUN 6	---	---	1952
1953	---	5.38 ON JUN 13	---	---	1953
1954	---	6.04 ON JUL 8	---	---	1954
1955	---	5.55 ON JUN 24	---	---	1955
1956	---	4.76 ON JUN 5	---	---	1956
1957	---	3.37 ON JUN 8	---	---	1957
1958	---	3.17 ON MAY 28	0.054E ON MAY 7	16 900	1958
1959	---	4.46 ON JUN 14	---	---	1959
1960	---	5.15 ON JUN 25	0.085E ON MAY 1	25 300	1960
1961	---	7.80 ON JUN 7	---	---	1961
1962	---	4.88 ON JUN 16	0.045 ON MAY 7	21 800	1962
1963	---	5.75 ON JUL 8	---	---	1963
1964	---	7.14 ON JUN 9	---	---	1964
1965	---	7.14 ON JUN 18	---	---	1965
1966	---	6.81 ON MAY 31	---	---	1966
1967	---	7.70 ON JUN 16	---	---	1967
1968	---	7.19 ON JUN 3	0.057E ON MAY 1	25 300	1968
1969	---	6.48 ON JUN 5	0.156 ON MAY 5	25 600	1969
1970	---	6.80 ON JUN 16	0.028E ON MAY 1 *	25 300	1970
1971	---	7.58 ON JUN 6	0.057E ON MAY 1	25 600	1971
1972	---	8.77 ON JUN 11	0.113E ON MAY 1	30 700	1972
1973	---	7.02 ON JUN 24	0.057E ON MAY 1	23 800	1973
1974	---	11.5 ON JUN 17 *	0.085E ON MAY 1	31 200	1974
1975	---	5.16 ON JUL 5	0.085E ON MAY 1	23 400	1975
1976	---	5.84 ON JUL 1	0.170E ON MAY 1	30 000	1976
1977	---	6.43 ON JUN 8	0.227E ON OCT 28	20 800	1977
1978	---	6.51 ON JUN 8	0.173 ON MAY 8	25 500	1978
1979	---	4.46 ON MAY 27	0.057E ON MAY 1	20 400	1979
1980	---	4.82 ON JUN 11	0.249 ON OCT 31	25 700	1980
1981	8.55 AT 24:00 MDT ON MAY 28 *	7.73 ON JUL 5	0.196 ON OCT 31	31 000	1981
1982	7.85 AT 02:00 MST ON JUN 17	7.76 ON JUN 16	0.085E ON MAY 1	27 000	1982
1983	8.00 AT 08:00 MST ON MAY 30	6.17 ON MAY 30	0.113E ON OCT 30	23 700	1983
1984	---	7.22 ON JUN 28	0.085 ON MAY 12	23 500	1984
				25 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05FA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	1.88	0.078	0.120	0.113	---	---	---	1982
1983	---	---	---	0.848	0.154	0.112	0.350	0.088	0.085	0.058	---	---	0.204	1983
1984	---	---	---	0.158	0.181	0.300	0.032	0.031	0.244	0.104	---	---	0.148	1984
MEAN	---	---	---	0.403	0.158	0.208	0.881	0.065	0.140	0.081	---	---	0.176	MEAN

LOCATION - LAT 52 52 08 N, LONG 113 57 27 W. DRAINAGE AREA, 97.8 km². REGULATED. DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

MUSKEG CREEK NEAR WESTEROSE - STATION NO. 05FA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	15.7 E AT 22:51 MST ON JUL 4 *	13.4 ON JUL 5 *	---	---	1982
1983	2.17 AT 18:45 MST ON APR 2	1.80 ON APR 2	0.025 ON AUG 25	3 770	1983
1984	1.23 AT 02:24 MST ON JUN 10	1.05 ON JUN 10	0 ON APR 27 *	2 700	1984
				3 240	MEAN

E - ESTIMATED. * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	0.848	0.490	0.404	16.8	20.7	9.67	12.8	5.88	2.88	3.38	1.40	0.837	6.32	1974
1975	0.337	0.348	0.387	2.88	8.12	7.42	14.4	6.73	18.5	12.0	3.18	0.738	6.10	1975
1976	0.332	0.447	0.438	7.72	2.58	0.840	0.808	1.05	3.43	5.14	1.74	0.208	2.07	1976
1977	0.248	0.348	0.338	4.85	3.88	3.38	4.72	1.90	2.00	4.04	1.83	0.484	2.32	1977
1978	0.311	0.253	0.288	3.18	9.18	4.84	1.21	3.38	21.8	18.4	5.72	1.18	5.82	1978
1979	0.898	0.483	0.468	3.18	21.4	7.98	2.78	2.83	5.07	4.28	2.31	0.534	4.38	1979
1980	0.378	0.214	0.338	2.78	0.771	0.857	0.738	4.88	18.5	9.23	3.35	0.858	3.28	1980
1981	0.432	0.324	0.438	1.78	4.38	1.80	4.22	0.888	0.170	0.473	0.378	0.204	1.30	1981
1982	0.177	0.140	0.180	4.14	12.6	3.30	0.883	0.536	0.748	0.787	0.625	0.241	2.04	1982
1983	0.253	0.238	0.208	2.10	3.17	1.68	1.08	1.28	0.378	0.672	0.500	0.150	0.870	1983
1984	0.049	0.082	0.217	0.858	0.822	7.58	5.31	5.05	9.11	10.3	4.46	0.510	3.68	1984
MEAN	0.388	0.308	0.333	4.84	7.74	4.48	4.84	3.22	7.28	6.33	2.30	0.803	3.80	MEAN

LOCATION - LAT 57 11 30 N, LONG 111 34 05 W. DRAINAGE AREA, 1 480 km². NATURAL FLOW

MUSKEG RIVER NEAR FORT MACKAY - STATION NO. 07DA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	43.0 AT 18:00 MST ON APR 28 *	42.2 ON APR 28 *	0.170B ON APR 6	200 000	1974
1975	27.8 AT 21:00 MST ON JUL 22	27.4 ON JUL 22	0.340B ON JAN 20	182 000	1975
1976	---	15.4 A ON APR 11	0.142B ON DEC 17	65 600	1976
1977	18.7 B AT 07:44 MST ON APR 19	13.5 B ON APR 19	0.170B ON JAN 1	73 000	1977
1978	32.3 AT 18:10 MST ON SEP 27	32.0 ON SEP 27	0.227B ON MAR 1	187 000	1978
1979	30.4 AT 00:00 MST ON MAY 1	28.2 ON MAY 1	0.440B ON DEC 29	138 000	1979
1980	18.8 AT 17:50 MST ON SEP 23	18.8 ON SEP 24	0.200B ON FEB 6	104 000	1980
1981	7.88 AT 19:40 MST ON JUL 17	7.48 ON JUL 17	0.098 ON SEP 1	40 800	1981
1982	24.3 B AT 08:08 MST ON APR 28	14.3 ON MAY 12	0.134B ON FEB 18	84 400	1982
1983	9.13 AT 00:33 MST ON APR 23	8.88B ON APR 22	0.042B ON DEC 31	30 600	1983
1984	22.2 AT 12:00 MST ON OCT 25	21.0 ON OCT 24	0.040B ON JAN 2 *	122 000	1984
				111 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX). B - ICE CONDITIONS. * - EXTREME RECORDED FOR THE PERIOD OF RECORD

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	1.28	1.38	1.28	1.81	18.4	37.8	8.78	4.78	4.48	8.77	3.43	2.18	7.82	1972
1973	1.88	1.47	1.81	2.18	18.3	14.8	8.88	4.01	2.88	3.88	1.83	1.88	8.08	1973
1974	1.42	1.27	1.08	3.37	17.8	13.8	8.77	3.84	3.38	2.82	1.88	1.42	4.82	1974
1975	1.08	0.811	0.804	0.883	7.83	10.4	10.2	3.88	2.83	1.81	1.71	1.28	3.88	1975
1976	1.17	1.08	1.01	3.88	17.8	11.8	7.83	14.8	7.43	3.82	2.18	1.78	8.20	1976
1977	1.40 R	1.22 R	1.07 R	3.07 R	28.0 R	21.1 R	17.7 R	14.4 R	8.88R	8.82R	2.40R	1.82 R	8.88R	1977
1978	1.10 R	0.861R	0.868R	3.83 R	8.58R	15.8 R	13.8 R	8.87R	8.87R	5.81R	3.48R	2.31 R	8.88R	1978
1979	1.14 R	0.878R	1.34 R	3.87 R	12.0 R	10.8 R	8.18R	3.42R	2.27R	2.03R	1.07R	0.801R	3.82R	1978
1980	0.884	0.835	0.831	4.82	7.83	42.1	11.8	7.80	8.73	8.82	3.03	2.83	8.81	1980
1981	1.88	1.38	1.08	2.22	10.4	8.08	8.80	8.72	3.17	2.38	1.88	0.888	3.82	1981
1982	0.824	0.888	0.784	1.18	14.8	14.4	22.8	18.1	8.28	8.88	2.87	1.82	7.81	1982
1983	1.82	1.80	1.48	3.44	8.28	11.1	24.8	8.02	8.28	3.48	2.72	1.28	8.84	1983
1984	1.22	1.21	1.28	3.32	8.72	18.8	8.32	3.44	8.32	10.1	3.08	1.78	8.21	1984
MEAN	1.27 R	1.18 R	1.12 R	2.88 R	13.4 R	17.8 R	11.7 R	7.32R	8.72R	4.72R	2.42R	1.88 R	8.84	MEAN

LOCATION - LAT 53 88 32 N, LONG 118 48 82 W. DRAINAGE AREA, 708 km². NATURAL FLOW

R - REVISED SINCE JAN 1980

MUSKEG RIVER NEAR GRANDE CACHE - STATION NO. 07GA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	288 AT 22:00 MST ON JUN 12 *	213 ON JUN 13 *	1.13 B ON APR 13	247 000	1972
1973	31.4 AT 18:20 MST ON JUN 24	27.6 ON MAY 15	1.36 B ON FEB 6	160 000	1973
1974	26.0 AT 04:10 MST ON MAY 6	23.5 ON MAY 6	0.9858 ON MAR 20	155 000	1974
1975	27.6 AT 08:00 MST ON JUN 30	26.2 ON JUN 30	0.8468 ON MAY 1	113 000	1975
1976	41.8 AT 04:00 MST ON AUG 17	40.2 ON AUG 17	0.9578 ON MAR 2	186 000	1976
1977	56.4R AT 23:50 MST ON MAY 11	50.9R ON JUL 30	1.01 RB ON MAR 19	281 000R	1977
1978	53.5R AT 22:40 MST ON JUL 11	43.5R ON JUL 12	0.850RB ON MAR 25	187 000R	1978
1979	32.4R AT 07:00 MST ON MAY 27	27.8R ON MAY 27	0.740RB ON DEC 15	121 000R	1979
1980	200 AT 21:25 MST ON JUN 4	181 ON JUN 4	0.700B ON MAR 5	253 000	1980
1981	21.8 AT 14:45 MST ON JUL 30	20.8 ON JUL 30	0.500B ON DEC 15 *	124 000	1981
1982	65.8 AT 11:55 MST ON JUL 15	57.5 ON JUL 15	0.520B ON JAN 9	248 000	1982
1983	87.8 AT 10:55 MST ON JUL 26	76.7 ON JUL 26	1.08 B ON DEC 25	187 000	1983
1984	32.4 AT 08:30 MST ON JUN 9	30.2 ON JUN 9	1.06 B ON JAN 18	185 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		187 000R	MEAN
		R - REVISED SINCE JAN 1980			

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	0.524	0.158	0.477	0.026	---	---	---	1975
1976	---	---	0.004	1.82	0.044	0.010	0.002	0.003	0.010	0.001	---	---	0.244	1976
1977	---	---	0.001	2.43	0.257	0.447	0.140	0.247	0.213	---	---	---	---	1977
1978	---	---	0.023	5.32	0.289	2.17	0.156	0.082	1.68	0.854	---	---	1.30	1978
1979	---	---	0.012	9.16	3.26	0.327	0.436	0.324	0.146	0.019	---	---	1.69	1979
1980	---	---	0.002	1.18	0.011	0.081	0.060	0.081	0.388	0.457	---	---	0.279	1980
1981	---	---	2.15	8.51	0.242	0.012	0.060	0.238	0.023	0.060	---	---	1.15	1981
1982	---	---	0	3.88	0.492	0.015	0.013	0.122	0.055	0.038	---	---	0.586	1982
1983	---	---	0.003	0.481	0.053	0.044	0.484	0.226	0.010	0.012	---	---	0.187	1983
1984	---	---	0.192	0.210	0.085	0.588	0.041	0.008	0.024	0.078	---	---	0.149	1984
MEAN	---	---	0.285	3.45	0.525	0.406	0.193	0.150	0.304	0.172	---	---	0.693	MEAN

LOCATION - LAT 54 01 50 N DRAINAGE AREA, 720 km^2
LONG 112 51 35 W NATURAL FLOW

NAMEPI CREEK NEAR THE MOUTH - STATION NO. 05EC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	0.843 AT 23:30 MST ON SEP 7	0.803 ON JUL 11	---	---	1975
1976	6.12 B AT 06:30 MST ON APR 9	4.25 B ON APR 9	0 ON JUL 11 *	5 180	1976
1977	11.3 B AT 22:30 MST ON APR 12	10.6 ON APR 13	---	---	1977
1978	---	11.0 B ON APR 9	0 B ON MAR 1	27 800	1978
1979	33.1 AT 02:10 MST ON APR 26 *	31.6 ON APR 26 *	0.001E ON OCT 7	35 700	1979
1980	---	4.49 B ON APR 12	0 B ON MAR 1	5 810	1980
1981	---	21.9 B ON APR 3	0 B ON MAR 12	24 400	1981
1982	20.0 AT 01:00 MST ON APR 23	18.1 B ON APR 22	0 B ON MAR 1	12 000	1982
1983	3.68 AT 13:40 MST ON JUL 27	2.78 ON JUL 26	0 ON JUN 3	3 520	1983
1984	1.91 AT 02:30 MST ON JUN 9	1.85 ON JUN 9	0.001 ON AUG 26	3 180	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 700	MEAN

NANTON CREEK NEAR NANTON - STATION NO. 05AC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	---	0.232	0.277	---	---	---	1908
1909	---	---	---	---	1.14	0.882	0.458	0.112	0.054	0.071	---	---	---	1909
1910	---	---	---	0.089	0.082	0.005	0	0	0.041	0.005	---	---	---	1910
1911	---	---	---	0.018	0.078	0.077	0.069	0.274	0.282	0.228	---	---	---	1911
1912	---	---	---	---	0.092	---	---	---	0.383	0.223	---	---	---	1912
1913	---	---	---	---	---	---	---	---	---	0.117	---	---	---	1913
1914	---	---	---	---	0.087	0.018	0.018	---	0.001	0.118	---	---	---	1914
1915	---	---	---	0.071	0.824	1.87	1.83	0.868	0.484	0.357	---	---	---	1915
1916	---	---	---	---	0.873	1.78	0.838	0.784	1.15	0.798	---	---	---	1916
1917	---	---	---	---	1.17	2.32	0.824	0.488	0.224	0.188	---	---	---	1917
1918	---	---	---	0.085	0.058	0.038	0.008	0.010	0.007	0.008	---	---	---	1918
1919	---	---	0.011	0.085	0.031	0.002	0	0	0	0.001	---	---	---	1919
MEAN	---	---	0.011	0.084	0.393	0.718	0.414	0.316	0.254	0.200	---	---	---	MEAN

LOCATION - LAT 50 21 35 N DRAINAGE AREA, 130 km^2
LONG 113 49 34 W REGULATED

NANTON CREEK NEAR NANTON - STATION NO. 05AC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	---	---	---	1908
1909	---	3.80 ON MAY 24	---	---	1909
1910	---	0.311 ON SEP 7	0 ON JUN 13 *	---	1910
1911	---	0.820 ON AUG 8	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	0.821 ON APR 5	0 ON JUL 18	---	1914
1915	---	5.82 ON JUN 28 *	---	---	1915
1916	---	5.44 ON AUG 18	---	---	1916
1917	---	4.47 ON JUN 11	---	---	1917
1918	---	0.2558 ON APR 5	---	---	1918
1919	---	0.204 ON APR 8	0B ON MAR 1	---	1919
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NATURAL FLOW A NEAR POLLOCKVILLE - STATION NO. 05CH009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.007	0	0	0	0	---	---	0.001	1973
1974	---	---	---	---	---	0	---	---	---	0	---	---	---	1974
1975	---	---	---	---	---	0	0	0	0	0	---	---	---	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---		1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0	0	0	0	0	0	0	---	---	0	1978
1979	---	---	0.005	0	0	0	0	0	0	0	---	---	0	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	0	1980
MEAN	---	---	0.002	0	0	0.001	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 51 08 55 N DRAINAGE AREA, 3.50 km^2
LONG 111 47 50 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977 AND 1978

NATURAL FLOW A NEAR POLLOCKVILLE - STATION NO. 05CH009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	0.552 AT 19:40 MST ON JUN 15 *	0.133 ON JUN 15 *	0E ON MAY 1 *	18.1	1973
1974	---	---	0 ON MAY 28	---	1974
1975	0.059 AT 05:30 MST ON MAY 20	0.031 ON MAY 20	0 ON MAY 14	---	1975
1976	---	0 ON MAY 1	0 ON MAY 1	0	1976
1977	---	0 ON MAY 1	0 ON MAY 1	0	1977
1978	0.045 AT 03:50 MST ON SEP 8	0.005 ON SEP 8	0 ON MAY 1	1.30	1978
1979	---	0.002 ON MAY 8	0E ON MAY 1	1.29	1979
1980	---	0 E ON MAY 1	0E ON MAY 1	0	1980
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3.62	MEAN

NATURAL FLOW B NEAR PRINCESS - STATION NO. 05CJ011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.001	0	0	0	0	---	---	---	1973
1974	---	---	---	---	0	0	0	0	0	0	---	---	---	1974
1975	---	---	---	---	---	0	0	0	0	0	---	---	---	1975
1976	---	---	---	0	0	0	0	0	0	---	---	---	---	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.013	0	0	0	0	0	0	0	---	---	0.002	1978
1979	---	---	0.014	0	0	0	0	0	0	0	---	---	0.002	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	---	1980
1981	---	---	---	0	0	0	0	0	0	0	---	---	---	1981
1982	---	---	---	0	0	0	0	0	0	0	---	---	---	1982
1983	---	---	0	0	0	0	0	0.001	0	0	---	---	0	1983
1984	---	---	0.001	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	0.008	0	0	0	0	0	0	0	---	---	0.001	MEAN

LOCATION - LAT 50 38 20 N DRAINAGE AREA, 1.98 km^2
LONG 111 30 20 W NATURAL FLOW

NATURAL FLOW B NEAR PRINCESS - STATION NO. 05CJ011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	0.085 AT 20:50 MST ON JUN 15	0.019 ON JUN 15	0E ON MAY 1 *	---	1973
1974	---	0.003 ON AUG 13	0E ON MAY 1	---	1974
1975	0.580 AT 13:30 MST ON MAY 24	0.187 ON MAY 24	0 ON MAY 14	---	1975
1976	0.897 AT 17:30 MST ON MAR 18 *	0.447 ON MAR 18 *	0 ON MAR 30	---	1976
1977	0.001 AT 07:00 MST ON APR 5	0.001 ON APR 3	0 ON MAR 1	0.26	1977
1978	---	0.150B ON MAR 28	0B ON MAR 1	36.3	1978
1979	---	0.101B ON MAR 10	0B ON MAR 1	37.4	1979
1980	---	0 A ON APR 22	0A ON APR 22	---	1980
1981	---	---	0A ON MAR 30	---	1981
1982	0.001 AT 19:00 MST ON APR 9	0 E ON APR 1	0E ON APR 1	---	1982
1983	---	0.018A ON AUG 12	0A ON MAR 1	2.77	1983
1984	0.058B AT 13:34 MST ON MAR 19	0.026B ON MAR 19	0B ON MAR 1	3.02	1984
				18.0	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NATURAL FLOW C NEAR BOW CITY - STATION NO. 05BN024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0.002	0	0	0	0	---	---	0	1973
1974	---	---	---	0.004	0	0	0	0	0	0	---	---	0	1974
1975	---	---	---	---	0.005	0	0	0	0	0	---	---	0.001	1975
1976	---	---	---	---	0	0	0	0	0	0	---	---	0	1976
1977	---	---	---	---	0	0	0	0	0	0	---	---	0	1977
1978	---	---	---	---	0	0	0	0.004	0.001	0	---	---	0.001	1978
1979	---	---	---	---	0	0	0	0	0	0	---	---	0	1979
1980	---	---	---	---	0	0	0	0	0	0	---	---	0	1980
1981	---	---	---	---	0.001	0	0	0	0	0	---	---	0	1981
1982	---	---	---	---	0	0	0	0	0	0	---	---	0	1982
1983	---	---	---	---	0	0	0	0	0	0	---	---	0	1983
1984	---	---	---	---	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	---	0.004	0.001	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 50 22 40 N, LONG 112 14 40 W. DRAINAGE AREA, 3.24 km^2. NATURAL FLOW

NATURAL FLOW C NEAR BOW CITY - STATION NO. 05BN024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	0.040 ON JUN 18	0 ON MAY 1 *	8.13	1973
1974	---	0.001 ON AUG 13	0 ON MAY 1	0.35	1974
1975	0.113 AT 18:10 MST ON MAY 8	0.052 ON MAY 8	0 ON MAY 1	13.5	1975
1976	0.001 AT 17:00 MST ON AUG 4	0 ON MAY 1	0 ON MAY 1	0	1976
1977	---	0 ON MAY 1	0 ON MAY 1	0	1977
1978	0.221 AT 08:00 MST ON AUG 23 *	0.110 ON AUG 23 *	0 ON MAY 1	12.2	1978
1979	---	0 ON MAY 1	0 ON MAY 1	0	1979
1980	---	0 ON MAY 1	0 ON MAY 1	0	1980
1981	0.028 AT 14:05 MST ON MAY 18	0.010 ON MAY 18	0 ON MAY 1	1.81	1981
1982	---	0 ON MAY 1	0 ON MAY 1	0	1982
1983	---	0 ON MAY 1	0 ON MAY 1	0	1983
1984	---	0 ON MAY 1	0 ON MAY 1	0	1984
				2.83	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NATURAL FLOW D NEAR CHIN - STATION NO. 05AG024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	0	0	0	0	0	---	---	---	---	1973
MEAN	---	---	---	---	0	0	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 49 51 10 N, LONG 112 28 40 W. NATURAL FLOW

NATURAL FLOW D NEAR CHIN - STATION NO. 05AG024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	0 ON APR 18 *	---	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.036	0.494	0.888	0.338	0.084	0.318	---	---	0.380	1957
1958	---	---	---	---	0.085	0.831	0.713	0.195	0.254	0.337	---	---	0.401	1958
1959	---	---	---	---	0.001	0.887	0.734	0.471	0.271	0.208	---	---	0.391	1959
1960	---	---	---	---	0.006	0.727	1.26	0.447	0.171	0.348	---	---	0.493	1960
1961	---	---	---	---	0.221	1.16	1.08	0.367	0.492	0.523	---	---	0.840	1961
1962	---	---	---	---	0.217	0.939	1.37	0.614	0.341	0.315	---	---	0.833	1962
1963	---	---	---	---	0.528	1.20	0.887	0.554	0.436	0.654	---	---	0.676	1963
1964	---	---	---	---	0.040	1.18	1.81	1.08	0.431	0.446	---	---	0.848	1964
1965	---	---	---	---	0.006	0.588	0.420	0.935	0.322	0.272	---	---	0.431	1965
1966	---	---	---	---	0.032	0.858	1.28	0.587	0.338	0.894	---	---	0.829	1966
1967	---	---	---	---	0.021	0.758	1.80	1.39	0.974	1.07	---	---	1.02	1967
1968	---	---	---	---	0.830	1.82	2.87	1.41	1.23	0.945	---	---	1.40	1968
1969	---	---	---	---	0.588	2.22	1.87	1.80	1.40	1.34	---	---	1.45	1969
1970	---	---	---	---	0.801	1.88	1.82	1.57	1.33	1.24	---	---	1.41	1970
1971	---	---	---	---	0.588	1.69	2.81	1.81	1.56	1.25	---	---	1.65	1971
1972	---	---	---	---	0.586	1.88	2.77	1.84	1.21	1.08	---	---	1.52	1972
1973	---	---	---	---	1.18	2.34	3.14	1.81	1.32	1.21	---	---	1.88	1973
1974	---	---	---	---	0.432	2.07	3.15	2.48	1.52	1.52	0.256	---	1.88	1974
1975	---	---	---	---	0.188	0.706	3.42	3.48	3.08	2.86	---	---	2.28	1975
1976	---	---	---	---	1.26	3.38	3.86	2.83	2.40	2.77	---	---	2.78	1976
1977	---	---	---	---	1.18	2.46	3.88	3.18	2.26	1.21	---	---	2.38	1977
1978	---	---	---	---	1.37	0.380	2.87	3.11	1.83	1.88	---	---	1.82	1978
1979	---	---	---	---	0.011	2.01	3.60	2.58	1.98	1.85	---	---	2.00	1979
1980	---	---	---	---	1.41	2.80	3.82	2.88	3.10	2.58	---	---	2.85	1980
1981	---	---	---	---	0.444	2.58	4.16	3.76	3.71	2.87	---	---	2.88	1981
1982	---	---	---	---	1.08	2.32	3.88	4.17	3.31	2.08	---	---	2.81	1982
1983	---	---	0.008	0.028	0.348	4.28	4.28	3.80	3.16	2.15	0.061	---	3.01	1983
1984	---	---	0.016	0.151	0.948	3.78	4.20	3.26	2.02	0.544	---	---	2.45	1984
MEAN	---	---	0.011	0.090	0.507	1.70	2.43	1.87	1.44	1.22	0.159	---	1.53	MEAN

LOCATION - LAT 50 13 00 N LONG 112 08 15 W DRAINAGE AREA, 312 km² REGULATED

NEW WEST COULEE NEAR THE MOUTH - STATION NO. 05BN008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	1.42 ON JUL 22	0 E ON MAY 1 *	5 730	1957
1958	---	1.55 ON JUN 18	0 E ON MAY 1	6 370	1958
1959	---	2.75 ON JUN 27	0 ON MAY 1	6 220	1959
1960	---	1.93 ON JUL 4	0 ON MAY 8	7 840	1960
1961	---	2.12 ON JUN 20	0 ON MAY 1	10 200	1961
1962	---	2.48 ON JUL 14	0 E ON MAY 1	10 100	1962
1963	---	4.78 ON JUN 22	0 ON MAY 1	10 700	1963
1964	---	2.86 ON JUL 3	0 ON MAY 10	13 400	1964
1965	---	3.28 ON AUG 8	0 ON MAY 8	8 680	1965
1966	---	7.18 ON JUL 15 *	0 ON MAY 5	10 000	1966
1967	---	4.42 ON JUN 17	0 ON MAY 27	16 200	1967
1968	---	4.02 ON JUN 30	0.238 ON MAY 5	22 200	1968
1969	---	3.14 ON JUN 23	0.289 ON OCT 29	23 000	1969
1970	---	8.84 ON JUN 13	0.283E ON MAY 1	22 400	1970
1971	---	4.87 ON JUL 10	0.098E ON OCT 31	28 200	1971
1972	---	3.80 ON JUL 14	0.113E ON OCT 31	24 200	1972
1973	---	6.12 ON JUN 15	0.343 ON MAY 4	28 400	1973
1974	---	4.13E ON JUL 4	0.184 ON MAY 31	29 800	1974
1975	---	8.29 ON JUL 30	0 ON JUN 3	35 900	1975
1976	---	5.24 ON JUL 1	0.487 ON MAY 8	44 200	1976
1977	---	4.58 ON JUL 11	0 ON MAY 1	37 800	1977
1978	---	5.87 ON AUG 23	0.004 ON MAY 30	30 800	1978
1979	---	4.01 ON JUL 30	0 A ON MAY 29	31 600	1979
1980	---	5.73 ON JUL 20	0.001E ON MAY 1	42 100	1980
1981	---	5.30 ON JUN 14	0.001E ON MAY 1	45 800	1981
1982	---	5.03 ON AUG 11	0.037 ON MAY 4	44 600	1982
1983	---	6.85 ON JUL 7	0 E ON MAY 1	48 000	1983
1984	---	6.37 ON JUL 30	0.004 ON MAY 11	38 800	1984
				24 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NEW WEST IRRIGATION DISTRICT CANAL NEAR VAUXHALL - STATION NO. 05AG002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	0.081	0.388	0.708	0.223	0.251	0.891	---	---	0.443	1924
1925	---	---	---	---	0.023	0.740	1.38	0.402	0.189	0.005	---	---	0.483	1925
1927	---	---	---	---	0	0.008	0.243	0.255	0.188	0.078	---	---	0.130	1927
1928	---	---	---	---	0.272	0.878	0.088	0.218	0.228	0.084	---	---	0.308	1928
1929	---	---	---	---	0.111	0.892	1.28	0.358	0.480	0.817	---	---	0.613	1929
1930	---	---	---	---	0.144	1.18	0.887	0.388	0.281	0.178	---	---	0.488	1930
MEAN	---	---	---	---	0.107	0.708	0.728	0.302	0.284	0.308	---	---	0.402	MEAN

LOCATION - LAT 50 08 03 N LONG 112 11 11 W REGULATED

DATA CONTRIBUTED BY - CANADA LAND AND IRRIGATION COMPANY

NEW WEST IRRIGATION DISTRICT CANAL NEAR VAUXHALL - STATION NO. 05AE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	1.47 ON OCT 24	0 ON MAY 1 *	7 040	1924
1925	---	1.84 ON JUL 7 *	0 ON MAY 1	7 200	1925
1927	---	0.389 ON JUL 18	0 ON MAY 1	2 070	1927
1928	---	1.69 ON JUN 5	0 ON MAY 1	6 880	1928
1929	---	1.61 ON JUN 21	0 ON MAY 1	8 750	1929
1930	---	1.50 ON JUN 15	0 ON MAY 1	7 420	1930
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 400	MEAN

NINE MILE COULEE NEAR LETHBRIDGE - STATION NO. 05AE042

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.001	0.212	0.284	0.455	0.458	0.288	0.083	---	---	0.252	1984
MEAN	---	---	---	0.001	0.212	0.284	0.455	0.458	0.288	0.083	---	---	0.252	MEAN

LOCATION - LAT 49 33 19 N
LONG 112 47 05 W REGULATED

NINE MILE COULEE NEAR LETHBRIDGE - STATION NO. 05AE042

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.746 ON JUL 30 *	0 ON APR 11 *	4 870	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 870	MEAN

NOLAN COULEE NEAR COALDALE - STATION NO. 05AD034

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	0.002	0	0	0	0	0	---	---	---	1987
1988	---	---	---	---	---	0.001	0.006	---	---	---	---	---	---	1988
MEAN	---	---	---	---	0.002	0.001	0.003	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 51 10 N DRAINAGE AREA, 117 km^2
LONG 112 35 10 W REGULATED

NOLAN COULEE NEAR COALDALE - STATION NO. 05AD034

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	---	---	0 ON MAY 1 *	---	1987
1988	---	---	0 ON JUN 1	---	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	---	2.08	1.32	0.848	---	1971
1972	0.811	0.823	0.848	2.33	8.22	32.9	12.8	5.02	5.36	4.34	3.71	1.08	8.32	1972
1973	0.377	0.328	0.330	8.73	20.5	8.06	7.81	4.40	3.08	2.50	1.26	1.23	4.88	1973
1974	1.08	0.946	0.947	7.26	20.3	7.83	4.96	3.76	3.73	2.62	1.80	1.19	4.63	1974
1975	0.962	0.788	0.907	3.31	7.47	3.73	4.08	1.77	1.41	0.984	0.881	0.831	2.26	1975
1976	0.741	0.672	0.610	3.50	4.55	4.39	2.84	6.49	2.36	1.28	0.837	1.06	2.42	1976
1977	0.926	1.00	0.914	1.39	24.5	11.4	5.40	6.77	8.48	5.36	2.26	1.44	5.86	1977
1978	1.36	1.26	1.67	4.78	12.0	17.2	17.8	5.91	7.92	4.36	2.40	1.78	6.86	1978
1979	1.26	0.873	1.43	1.71	7.73	4.86	2.48	1.93	1.17	1.36	0.823	0.882	2.23	1979
1980	0.846	0.609	0.577	4.30	8.79	38.4	14.2	7.97	7.88	4.04	2.16	1.74	7.38	1980
1981	1.36	1.12	1.46	2.19	15.0	8.36	22.6	11.3	4.36	3.61	2.04	1.10	8.36	1981
1982	0.854	1.03	1.18	1.46	7.36	7.76	27.3	6.87	4.66	5.66	2.30	1.47	5.76	1982
1983	1.18	1.40	1.33	5.43	7.03	8.59	6.09	2.63	1.98	2.06	1.06	0.886	3.32	1983
1984	0.886	1.12	1.01	2.73	4.42	8.06	2.92	1.96	4.66	4.63	1.78	1.16	3.16	1984
MEAN	0.939	0.850	1.02	3.76	11.2	12.4	10.2	5.16	4.44	3.32	1.80	1.16	4.73	MEAN

LOCATION - LAT 52 49 13 N DRAINAGE AREA, 875 km^2
LONG 115 31 10 W NATURAL FLOW

NORDEGG RIVER AT SUNCHILD ROAD - STATION NO. 05DD009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	328 AT 20:00 MST ON JUN 25 *	231 ON JUN 25 *	0.3888 ON DEC 28	200 000	1972
1973	31.1 AT 00:30 MST ON JUL 2	29.2 ON MAY 28	0.3008 ON FEB 28 *	157 000	1973
1974	28.1 AT 14:30 MST ON MAY 17	27.4 ON MAY 17	0.8008 ON JAN 29	152 000	1974
1975	20.5 AT 01:30 MST ON MAY 5	19.3 ON MAY 5	0.3848 ON NOV 25	71 200	1975
1976	19.8 AT 20:30 MST ON AUG 17	18.3 ON AUG 17	0.5108 ON FEB 17	78 500	1976
1977	86.8 AT 24:50 MST ON MAY 29	82.7 ON MAY 30	0.8508 ON MAR 21	188 000	1977
1978	80.4 AT 08:40 MST ON JUL 12	69.8 ON JUL 12	1.20 E ON JAN 26	207 000	1978
1979	10.8 AT 13:00 MST ON MAY 19	10.4 ON MAY 18	0.7508 ON FEB 25	70 300	1979
1980	235 AT 15:00 MST ON JUN 5	206 ON JUN 5	0.4808 ON MAR 11	234 000	1980
1981	105 AT 22:30 MST ON JUL 24	85.5 ON JUL 24	0.7608 ON DEC 18	200 000	1981
1982	145 AT 10:08 MST ON JUL 5	132 ON JUL 5	0.7008 ON APR 2	182 000	1982
1983	18.4 AT 14:03 MST ON JUN 25	17.4 ON JUN 25	0.4928 ON DEC 31	105 000	1983
1984	37.1 AT 05:26 MST ON JUN 10	33.7 ON JUN 10	0.4778 ON JAN 2	87 800	1984
				149 000	MEAN

E - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH ANDERSON CREEK NEAR HINTON - STATION NO. 07AF009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.130	0.053	0.118	0.230	---	---	---	1972
1973	---	---	---	---	0.531	0.182	0.068	0.070	0.035	---	---	---	---	1973
1974	---	---	---	---	0.469	0.086	0.071	0.045	---	---	---	---	---	1974
MEAN	---	---	---	---	0.500	0.134	0.090	0.056	0.077	0.230	---	---	---	MEAN

LOCATION - LAT 53 19 00 N LONG 117 24 00 W DRAINAGE AREA, 10.6 km^2 NATURAL FLOW

NORTH ANDERSON CREEK NEAR HINTON - STATION NO. 07AF009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.45 AT 23:30 MST ON MAY 27 *	1.18 ON MAY 28 *	---	---	1973
1974	0.778 AT 01:30 MST ON MAY 8	0.705 ON MAY 8	---	---	1974
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH - STATION NO. 11AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.62	1.27	1.58	---	---	---	1909
1910	---	---	---	1.53	1.53	0.823	0.515	0.572	0.578	0.822	---*	---	---	1910
MEAN	---	---	---	1.53	1.53	0.823	0.515	1.20	1.07	1.19	---	---	---	MEAN

LOCATION - LAT 49 08 00 N LONG 112 24 00 W DRAINAGE AREA, 1 110 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

NORTH BRANCH OF MILK RIVER NEAR MACKIE'S RANCH - STATION NO. 11AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.33E ON JUN 9 *	---	---	1910
				---	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA032

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	1.24	1.00	0.826	0.830	2.48	0.934	---	---	---	1911
1912	---	---	---	2.22	1.17	0.704	---	---	---	---	---	---	---	1912
1913	---	---	---	---	0.888	0.333	0.222	0.217	0.190	---	---	---	---	1913
1920	---	---	---	---	---	0.803	0.426	0.327	---	---	---	---	---	1920
1921	---	---	---	---	---	0.394	0.307	0.297	---	---	---	---	---	1921
1922	---	---	---	---	1.08	0.481	0.331	0.278	0.251	---	---	---	---	1922
1923	---	---	---	---	0.895	0.588	0.357	0.297	0.280	---	---	---	---	1923
1924	---	---	---	---	0.857	0.743	0.304	0.340	0.324	---	---	---	---	1924
1925	---	---	---	---	0.988	0.583	0.335	0.404	0.483	---	---	---	---	1925
1926	---	---	---	0.756	0.350	0.395	0.287	0.282	0.462	---	---	---	---	1926
1927	---	---	---	---	2.30	2.88	1.46	1.28	1.89	---	---	---	---	1927
1928	---	---	---	---	1.39	1.29	1.40	1.18	1.01	---	---	---	---	1928
1929	---	---	---	---	1.46	1.18	0.720	0.585	0.824	0.889	---	---	---	1929
1930	---	---	---	1.88	1.05	0.888	0.434	0.419	0.480	---	---	---	---	1930
1931	---	---	---	0.821	0.418	0.340	0.319	0.301	0.321	0.359	---	---	0.388	1931
1932	---	---	---	---	0.890	0.489	0.273	0.289	0.281	---	---	---	---	1932
1933	---	---	---	---	1.00	0.585	0.219	0.189	0.241	0.297	---	---	---	1933
1934	---	---	---	---	0.348	0.388	0.222	0.188	0.304	---	---	---	---	1934
1935	---	---	---	---	0.881	0.382	0.246	0.181	0.221	---	---	---	---	1935
1936	---	---	---	---	0.418	0.258	0.125	0.182	0.188	0.218	---	---	---	1936
1937	---	---	---	---	0.884	0.977	0.243	0.188	0.288	0.318	---	---	---	1937
1938	---	---	---	---	0.573	0.315	0.275	0.200	0.197	---	---	---	---	1938
1939	---	---	---	0.400	0.276	0.288	0.119	0.108	0.158	0.189	0.208	---	0.219	1939
1940	---	---	---	---	0.339	0.302	0.145	0.093	0.110	0.140	---	---	---	1940
1941	---	---	---	---	0.202	0.238	0.147	0.115	0.184	0.171	---	---	---	1941
1942	---	---	0.487	2.07	0.858	0.882	0.330	0.235	0.331	0.338	---	---	0.858	1942
1943	---	---	---	1.28	0.882	1.07	0.587	0.515	0.534	0.882	---	---	0.788	1943
1944	---	---	---	0.723	0.482	0.437	0.283	0.303	0.282	0.321	---	---	0.400	1944
1945	---	---	---	0.880	0.437	0.858	0.287	0.212	0.288	0.291	---	---	0.380	1945
1946	---	---	---	0.387	0.377	0.291	0.218	0.188	0.222	0.342	---	---	0.280	1946
1947	---	---	---	1.28	1.07	0.839	0.338	0.384	0.457	---	---	---	---	1947
1948	---	---	---	4.72	1.71	3.94	1.79	1.11	0.942	---	---	---	---	1948
1949	---	---	---	---	1.14	0.783	0.516	0.443	0.488	---	---	---	---	1949
1950	---	---	---	2.57	1.81	1.01	0.825	0.437	0.405	0.481	---	---	1.01	1950
1951	---	---	---	---	1.87	2.80	2.50	1.88	1.74	---	---	---	---	1951
1952	---	---	---	---	1.42	1.04	0.818	0.772	0.727	0.724	---	---	---	1952
1953	---	---	---	---	1.88	3.78	1.80	1.20	1.14	1.08	---	---	---	1953
1954	---	---	---	---	2.17	1.15	0.805	0.813	0.885	---	---	---	---	1954
1955	---	---	---	---	---	1.34	1.03	0.787	0.788	---	---	---	---	1955
1956	---	---	---	1.08	1.11	0.731	0.788	0.631	0.518	0.859	---	---	0.774	1956
1957	---	---	---	1.10	1.10	0.818	0.378	0.370	0.451	---	---	---	---	1957
1958	---	---	---	2.13	0.728	0.838	0.587	0.438	0.470	---	---	---	---	1958
1959	---	---	---	1.88	1.80	0.848	0.451	0.384	0.458	---	---	---	---	1959
1960	---	---	---	---	0.868	0.888	0.508	0.383	0.404	0.383	---	---	---	1960
1961	---	---	---	---	0.811	0.685	0.337	0.327	0.283	0.410	0.385	---	0.423	1961
1962	---	---	---	---	1.08	0.582	0.374	0.277	0.229	0.283	---	---	---	1962
1963	---	---	---	---	0.401	0.341	0.380	0.270	0.188	0.201	---	---	---	1963
1964	---	---	---	---	0.827	1.27	1.36	0.885	0.583	0.697	---	---	---	1964
1965	---	---	---	---	2.18	1.18	1.18	0.771	0.583	0.783	0.684	---	---	1.18	1965
1966	---	---	---	---	0.888	0.828	1.48	1.00	0.837	0.791	0.857	---	---	0.970	1966
1967	---	---	---	---	1.47	4.84	1.84	0.817	0.774	0.787	0.788	---	---	1.88	1967
1968	---	---	---	---	0.810	1.37	1.11	0.881	0.557	0.861	0.483	---	---	0.928	1968
1969	---	---	---	---	---	1.00	1.20	0.838	0.818	0.878	0.885	---	---	---	1969
1970	---	---	---	---	1.18	1.80	0.888	0.537	0.458	0.501	0.583	---	---	0.802	1970
1971	---	---	---	---	1.37	0.938	0.802	0.408	0.358	0.387	0.414	---	---	0.837	1971
1972	---	---	---	---	1.18	1.81	0.787	0.852	0.418	0.483	0.433	---	---	0.762	1972
1973	---	---	---	---	0.884	0.824	0.384	0.314	0.281	0.287	0.310	---	---	0.387	1973
1974	---	---	---	---	1.13	1.02	0.882	0.383	0.402	0.350	0.323	---	---	0.891	1974
1975	---	---	---	---	1.13	3.18	2.21	1.25	0.898	0.898	0.812	---	---	1.81	1975
1976	---	---	---	---	1.07	1.81	0.777	0.587	0.534	0.418	0.470	---	---	0.882	1976
1977	---	---	---	---	0.832	0.433	0.324	0.285	0.370	0.358	0.371	---	---	0.384	1977
1978	---	---	---	---	0.887	0.748	0.482	0.408	0.330	0.507	0.427	---	---	0.512	1978
1979	---	---	---	---	1.02	1.82	0.837	0.482	0.483	0.443	0.478	---	---	0.832	1979
1980	---	---	0.828	1.08	0.850	0.878	0.445	0.472	0.483	0.508	---	---	0.838	1980
1981	---	---	0.847	0.857	1.18	0.951	0.727	0.607	0.803	0.891	---	---	0.770	1981
1982	---	---	---	---	0.888	0.882	0.435	0.384	0.381	0.418	---	---	---	1982
1983	---	---	0.440	0.428	0.388	0.280	0.278	0.221	0.261	0.280	---	---	0.304	1983
1984	---	---	0.341	0.385	0.314	0.258	0.184	0.184	0.204	0.232	---	---	0.244	1984
MEAN	---	---	0.488	1.22	1.04	0.888	0.548	0.484	0.528	0.480	0.208	---	0.881	MEAN

LOCATION - LAT 48 58 15 N DRAINAGE AREA, 188 km² INTERNATIONAL GAUGING STATION
LONG 113 03 19 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1912 AND 1982

NORTH FORK MILK RIVER ABOVE ST. MARY CANAL - STATION NO. 11AA033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	9.63 ON SEP 5	---	---	1911
1912	---	5.52 ON APR 1	---	---	1912
1913	---	---	---	---	1913
1920	---	---	---	---	1920
1921	---	---	---	---	1921
1922	---	---	---	---	1922
1923	3.37 AT 23:30 MST ON JUN 21	1.61 ON JUN 22	---	---	1923
1924	4.76 AT 15:00 MST ON JUN 7	3.28 ON JUN 7	---	---	1924
1925	---	1.70 E ON MAY 1	---	---	1925
1926	4.53E ON APR 10	1.13 E ON APR 1	---	---	1926
1927	18.7 AT 14:00 MST ON MAY 29	12.9 ON MAY 29	---	---	1927
1928	---	---	---	---	1928
1929	4.02 AT 01:00 MST ON JUN 2	2.89 ON JUN 2	---	---	1929
1930	---	2.83 E ON APR 1	0.388 ON JUL 17	---	1930
1931	---	0.677A ON APR 7	0.281 ON JUL 22	5 810	1931
1932	---	---	---	---	1932
1933	---	---	---	---	1933
1934	2.92 AT 02:45 MST ON JUN 7	2.21 ON JUN 7	---	---	1934
1935	---	---	---	---	1935
1936	---	---	---	---	1936
1937	18.7 AT 22:30 MST ON JUN 13	7.36 ON JUN 13	---	---	1937
1938	---	---	---	---	1938
1939	---	0.863 ON JUN 15	0.088 ON AUG 4 *	4 050	1939
1940	---	---	---	---	1940
1941	---	---	---	---	1941
1942	15.0 AT 22:10 MST ON APR 7	8.55 ON APR 5	0.184 ON JUL 21	12 200	1942
1943	---	2.41 ON JUN 8	0.484 ON AUG 15	14 800	1943
1944	---	2.52 B ON APR 1	0.232 ON JUL 29	7 400	1944
1945	8.85 AT 05:00 MST ON APR 21	3.23 ON APR 21	0.207E ON AUG 5	7 230	1945
1946	---	0.595E ON OCT 29	0.144 ON AUG 7	5 370	1946
1947	---	2.12 ON APR 28	---	---	1947
1948	42.5 E ON JUN 17	28.9 E ON JUN 17	---	---	1948
1949	3.60 AT 00:30 MST ON MAY 20	2.41 ON MAY 20	---	---	1949
1950	15.6 E ON APR 17	3.28 E ON APR 1	0.351 ON SEP 4	18 700	1950
1951	42.2 AT 08:00 MST ON JUN 24	27.4 ON JUN 24	---	---	1951
1952	---	---	---	---	1952
1953	80.0 AT 22:00 MST ON APR 22	37.4 ON APR 22 *	---	---	1953
1954	11.0 AT 05:00 MST ON APR 17	7.31 ON APR 17	---	---	1954
1955	38.5 ON MAY 16	---	---	---	1955
1956	8.88 AT 18:00 MST ON JUL 3	3.77 ON JUL 3	0.470 ON SEP 15	14 300	1956
1957	---	2.27 ON MAY 4	---	---	1957
1958	25.9 AT 03:00 MST ON APR 14	10.4 ON APR 13	---	---	1958
1959	---	2.88 ON MAY 19	---	---	1959
1960	---	1.87 ON APR 5	---	---	1960
1961	---	1.69 ON MAY 10	0.232 ON AUG 8	7 810	1961
1962	---	2.78 ON APR 5	---	---	1962
1963	---	1.12 ON JUN 22	---	---	1963
1964	18.5 AT 15:00 MST ON JUN 8	11.1 ON JUN 8	---	---	1964
1965	---	7.14 B ON APR 5	0.632 ON AUG 14	21 800	1965
1966	15.0 AT 21:00 MST ON JUN 4	7.62 ON JUN 4	0.634 ON MAY 27	17 800	1966
1967	87.5 AT 15:00 MST ON MAY 8 *	34.6 ON MAY 8	0.3688 ON APR 20	28 600	1967
1968	8.51 AT 20:15 MDT ON JUN 7	2.76 ON JUN 7	0.481 ON AUG 5	17 100	1968
1969	---	---	---	---	1969
1970	8.32 AT 05:00 MDT ON MAY 4	4.25 ON MAY 4	0.396 ON AUG 26	14 800	1970
1971	---	4.28 ON APR 5	0.311 ON AUG 21	11 800	1971
1972	8.71 AT 00:30 MST ON APR 7	3.23 ON APR 7	0.3408 ON OCT 29	14 100	1972
1973	2.81 AT 02:30 MST ON APR 12	1.39 ON APR 12	0.358 ON AUG 17	7 340	1973
1974	4.808 AT 23:30 MST ON APR 8	2.52 ON APR 7	0.383 ON SEP 25	10 900	1974
1975	31.4 AT 07:45 MST ON JUN 20	18.8 ON JUN 20	0.2838 ON APR 3	28 000	1975
1976	3.08 AT 18:45 MST ON MAY 5	2.12 ON MAY 5	0.398 ON SEP 2	12 600	1976
1977	1.538 AT 01:45 MST ON APR 8	1.18 B ON APR 8	0.268 ON JUL 23	7 280	1977
1978	2.81 AT 08:45 MDT ON SEP 12	1.83 ON SEP 12	0.231 ON AUG 12	8 450	1978
1979	4.81 AT 01:15 MST ON APR 18	3.62 ON APR 17	0.425 ON JUL 17	15 400	1979
1980	7.38 AT 15:30 MDT ON MAY 28	5.55 B ON APR 15	0.388 ON JUL 30	11 800	1980
1981	8.37 AT 23:15 MDT ON MAY 15	4.39 ON JUN 14	0.538 ON AUG 24	14 200	1981
1982	20.3 AT 01:30 MDT ON APR 23	7.80 ON APR 22	---	---	1982
1983	---	0.538 ON MAY 12	0.204 ON AUG 4	8 820	1983
1984	1.05 AT 08:00 MST ON APR 20	0.848 ON APR 20	0.127 ON JUL 21	4 800	1984
				12 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH FOX CREEK NEAR MUSKEG - STATION NO. 07AC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	0.140	0.120	---	---	---	---	1972
1973	---	---	---	---	0.280	0.253	0.213	0.132	0.083	---	---	---	---	1973
1974	---	---	---	---	0.211	0.148	0.126	0.102	---	---	---	---	---	1974
MEAN	---	---	---	---	0.246	0.201	0.169	0.126	0.102	---	---	---	---	MEAN

LOCATION - LAT 53 43 00 N, LONG 118 18 00 W
DRAINAGE AREA, 17.8 km^2
NATURAL FLOW

NORTH FOX CREEK NEAR MUSKEG - STATION NO. 07AC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	0.6088 AT 01:00 MST ON MAY 8 *	0.481 ON JUN 24 *	---	---	1973
1974	0.438 AT 05:30 MST ON JUL 12	0.371 ON JUL 12	---	---	1974
				---	MEAN

P - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH MILK RIVER AT KNIGHT'S RANCH - STATION NO. 11AA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.87	1.18	1.48	---	---	---	1909
1910	---	---	---	---	1.44	0.955	0.595	0.547	0.739	0.954	---	---	---	1910
1913	---	---	---	---	---	---	0.755	0.732	0.875	---	---	---	---	1913
1914	---	---	---	---	---	---	0.455	---	---	---	---	---	---	19.4
MEAN	---	---	---	---	1.44	0.955	0.602	0.943	0.955	1.05	---	---	---	MEAN

LOCATION - LAT 49 08 00 N DRAINAGE AREA, 822 km^2
LONG 112 40 00 W NATURAL FLOW

NORTH MILK RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	1.51	1.48	1.42	---	---	---	1909
1910	---	---	---	1.11	0.979	0.840	0.677	0.578	0.788	0.828	---	---	---	1910
1911	---	---	---	---	1.85	1.84	0.941	1.18	1.80	0.921	---	---	---	1911
1912	---	---	---	1.27	1.57	0.884	1.22	0.834	0.811	0.790	---	---	---	1912
1913	0.360	0.596	0.702	2.21	1.87	1.15	0.877	0.828	0.714	0.677	0.783	0.486	1.06	1913
1914	0.420	0.384	0.882	1.74	0.737	0.620	0.418	0.430	0.418	1.10	0.888	0.570	0.778	1914
1915	0.448	0.486	1.84	1.18	1.06	3.38	2.88	1.81	2.22	2.08	1.45	1.13	2.07	1915
1916	0.681	3.32	2.21	2.28	2.33	3.24	2.04	2.38	2.14	1.74	1.83	0.878	2.28	1916
1917	0.903	0.887	0.874	4.73	5.00	2.81	7.84	8.81	4.33	1.14	1.07	0.915	4.48	1917
1918	1.30	0.805	1.22	1.82	1.09	7.71	11.5	7.03	1.81	0.488	0.538	0.418	4.03	1918
1919	0.423	0.428	0.748	2.57	11.8	11.8	11.3	11.4	5.08	1.83	0.388	0.417	7.02	1919
1920	0.318	0.403	0.944	2.27	8.83	11.2	12.7	10.0	0.478	0.448	0.438	0.306	5.48	1920
1921	0.268	0.330	0.612	1.81	3.82	10.5	8.48	3.90	0.271	0.304	0.345	0.331	3.84	1921
1922	0.280	0.177	0.384	1.48	2.25	6.89	8.78	8.81	5.89	0.481	---	---	4.80	1922
1923	---	---	0.485	1.40	8.50	12.5	10.2	8.56	2.47	0.384	---	---	5.43	1923
1924	---	---	0.450	1.28	7.41	10.1	11.4	13.5	3.30	0.328	---	---	5.94	1924
1925	---	---	1.22	2.48	11.2	14.8	14.7	13.8	10.5	5.18	---	---	9.24	1925
1926	---	---	0.484	3.71	12.7	13.6	13.3	3.26	3.45	0.333	---	---	6.35	1926
1927	---	---	1.10	2.80	3.85	4.46	12.2	13.3	2.24	1.67	---	---	5.20	1927
1928	---	---	---	2.11	1.67	14.8	11.4	12.7	2.85	1.48	---	---	---	1928
1929	---	---	1.17	2.44	3.49	11.6	13.8	13.2	8.41	3.48	---	---	7.21	1929
1930	---	---	4.11	2.25	1.32	9.01	15.0	13.3	5.32	0.589	---	---	8.37	1930
1931	---	---	0.859	1.79	10.8	15.3	15.8	14.8	2.78	1.88	---	---	7.09	1931
1932	---	---	2.06	7.44	15.4	13.7	15.8	15.8	8.68	0.724	---	---	9.77	1932
1933	---	---	0.813	2.17	12.8	14.7	17.7	17.3	7.82	1.87	---	---	9.35	1933
1934	---	---	0.807	3.33	15.3	17.4	15.7	17.8	1.24	0.418	---	---	9.82	1934
1935	---	0.288	0.385	1.28	11.3	15.3	15.8	15.1	8.80	0.284	---	---	8.27	1935
1936	---	---	0.342	2.39	12.7	15.7	20.6	13.8	2.38	1.22	---	---	8.18	1936
1937	---	---	0.388	1.61	15.5	8.80	15.2	20.0	5.14	0.384	---	---	8.82	1937
1938	---	---	0.838	2.88	11.9	15.8	15.8	15.7	4.45	2.02	---	---	8.54	1938
1939	---	---	0.884	3.86	15.8	15.6	15.2	0.890	1.15	6.87	---	---	9.13	1939
1940	---	---	0.889	0.870	11.2	15.5	15.1	10.1	0.285	0.230	---	---	7.23	1940
1941	---	---	0.384	2.88	14.5	15.5	17.8	7.48	2.39	0.171	---	---	7.83	1941
1942	---	---	0.809	4.90	15.2	8.42	15.8	15.5	13.1	0.787	---	---	10.5	1942
1943	---	---	1.42	1.71	1.21	10.6	14.4	15.5	15.1	2.30	---	---	7.78	1943
1944	---	---	0.879	3.09	14.4	12.9	12.1	8.27	1.89	0.309	---	---	8.84	1944
1945	---	---	0.844	1.70	15.3	17.1	15.9	15.5	14.7	2.80	---	---	10.5	1945
1946	---	---	0.599	10.5	15.3	17.5	15.5	15.3	14.5	0.578	---	---	11.5	1946
1947	---	---	2.92	2.07	8.20	14.0	15.9	15.1	13.2	0.885	---	---	9.03	1947
1948	---	---	1.53	5.22	5.42	12.9	15.5	17.0	15.3	1.33	---	---	9.28	1948
1949	---	---	1.29	2.31	15.5	17.3	15.3	15.5	10.1	0.883	---	---	9.86	1949
1950	---	---	0.840	2.86	4.86	11.2	15.5	14.5	15.2	14.5	---	---	9.89	1950
1951	---	---	1.57	3.43	2.42	5.59	15.5	14.4	7.06	2.07	---	---	7.58	1951
1952	---	---	2.53	4.52	1.72	1.23	13.9	15.7	15.4	4.89	---	---	7.78	1952
1953	---	---	1.90	5.44	17.3	9.72	7.19	15.5	15.7	2.34	---	---	9.49	1953
1954	---	---	1.19	3.14	6.36	12.1	15.6	14.7	3.20	0.588	---	---	7.81	1954
1955	---	---	0.850	2.38	5.89	9.53	15.0	17.7	9.81	0.879	---	---	7.89	1955
1956	---	---	1.81	4.20	15.5	17.4	17.4	15.4	15.7	7.86	---	---	12.1	1956
1957	---	---	1.46	4.81	17.5	17.2	16.3	15.5	9.65	0.783	---	---	10.5	1957
1958	---	---	0.880	4.51	15.5	15.5	15.2	15.0	9.82	0.547	---	---	10.9	1958
1959	---	---	1.17	11.5	15.3	15.3	15.7	17.9	15.2	5.28	---	---	13.5	1959
1960	---	---	2.49	2.05	15.7	15.7	15.1	15.5	12.0	0.484	---	---	11.1	1960
1961	---	---	0.718	12.2	12.8	15.7	15.5	15.1	12.5	2.15	---	---	12.0	1961
1962	---	---	1.57	13.7	15.1	15.5	15.4	17.3	1.33	0.284	---	---	11.3	1962
1963	---	0.775	0.500	15.5	17.3	15.5	15.0	15.1	12.3	0.333	---	---	12.0	1963
1964	---	---	0.405	9.61	17.0	11.5	10.4	20.0	15.7	0.783	---	---	10.5	1964
1965	---	---	1.07	4.20	2.01	20.7	13.5	15.2	11.5	0.830	---	---	9.17	1965
1966	---	---	1.85	1.25	15.5	20.5	17.3	15.4	15.3	0.884	---	---	11.7	1966
1967	---	---	1.85	1.83	4.85	8.07	15.6	15.5	17.5	0.889	---	---	9.08	1967
1968	---	---	1.38	12.5	15.0	20.7	15.5	15.1	13.9	1.11	---	---	13.4	1968
1969	---	---	1.70	4.13	10.7	21.0	15.9	20.4	10.1	0.818	---	---	11.1	1969
1970	---	---	0.853	7.54	8.73	15.5	15.9	15.5	8.77	0.551	---	---	10.2	1970
1971	---	---	0.688	2.00	7.26	5.93	15.6	15.1	15.2	4.75	---	---	8.98	1971
1972	---	---	4.01	1.63	15.5	14.2	15.5	15.5	15.5	5.36	---	---	12.7	1972
1973	---	---	0.878	2.33	13.6	20.2	15.2	15.5	0.348	0.317	---	---	8.08	1973
1974	---	---	0.928	14.1	17.3	15.7	15.7	15.4	14.2	0.377	---	---	13.7	1974
1975	---	---	0.381	1.50	4.80	6.14	8.84	14.5	15.5	1.04	---	---	7.14	1975
1976	---	---	1.61	3.12	17.5	21.1	20.2	20.3	15.4	2.83	---	---	13.1	1976
1977	---	---	0.449	1.03	14.3	15.5	5.42	5.31	2.87	0.236	---	---	5.89	1977
1978	---	---	2.38	0.814	1.98	11.1	14.2	14.5	4.84	0.487	---	---	8.27	1978
1979	---	---	2.84	2.20	3.77	15.5	17.9	17.7	5.28	0.482	---	---	8.85	1979
1980	---	---	3.87	12.8	15.2	15.1	15.2	17.8	7.21	0.809	---	---	11.9	1980
1981	---	---	11.4	10.0	15.7	15.5	15.8	17.5	15.9	0.791	---	---	13.9	1981
1982	---	---	0.820	2.59	14.8	15.4	15.5	0.482	0.380	0.423	---	---	6.43	1982
1983	---	---	7.38	11.1	8.16	17.0	15.7	17.0	0.487	0.248	---	---	10.0	1983
1984	---	---	7.88	8.07	8.15	14.5	15.8	13.0	0.204	0.210	---	---	9.25	1984
MEAN	0.581	0.730	1.58	4.32	9.83	13.0	14.5	13.8	7.88	1.82	1.30	0.818	6.82	MEAN

LOCATION - LAT 48 01 18 N DRAINAGE AREA, 252 km² INTERNATIONAL GAUGING STATION
LONG 112 58 16 W REGULATED SINCE 1915

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1916

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.06 ON JUN 8	---	---	1910
1911	19.8 ON JUN 25	9.85 ON JUN 25	---	---	1911
1912	---	3.71 ON MAY 22	---	---	1912
1913	---	7.878 ON APR 14	0.481 ON AUG 7	22 800	1913
1914	---	14.6 ON APR 9	0.314 ON AUG 7	16 400	1914
1915	15.8 ON SEP 3	8.41 ON SEP 3	0.481 ON APR 29	43 700	1915
1916	---	6.82 ON JUN 26	1.02 B ON MAR 1	48 400	1916
1917	13.9 ON APR 9	13.6 ON APR 9	0.8519 ON MAR 1	94 200	1917
1918	---	12.1 ON JUL 18	0.486 ON OCT 9	86 300	1918
1919	13.5 AT 09:00 MST ON MAY 9	13.1 ON MAY 9	0.2278 ON MAR 1	148 000	1919
1920	25.4 ON MAY 6	21.8 ON MAY 6	0.2978 ON MAR 6	118 000	1920
1921	13.4 AT 15:00 MST ON JUN 20	13.1 ON JUN 20	0.195 ON SEP 23	81 300	1921
1922	14.5 AT 19:00 MST ON AUG 17	14.2 ON AUG 17	0.1368 ON MAR 1	95 300	1922
1923	19.1 AT 01:00 MST ON JUN 22	18.1 ON JUN 22	0.2568 ON MAR 2	115 000	1923
1924	18.1 AT 14:00 MST ON JUN 7	16.3 ON JUN 7	0.286 ON SEP 29	127 000	1924
1925	16.7 AT 01:00 MST ON AUG 16	15.6 ON JUN 14	0.2628 ON MAR 13	196 000	1925
1926	---	15.4 ON JUN 20	0.3004 ON APR 3	134 000	1926
1927	21.8 AT 18:00 MST ON MAY 29	16.3 ON MAY 30	0.0919 ON MAR 1	110 000	1927
1928	27.1 AT 23:00 MST ON JUN 24	24.4 ON JUN 18	---	---	1928
1929	20.6 AT 09:00 MST ON JUN 2	18.3 ON JUN 2	0.3458 ON MAR 1	153 000	1929
1930	16.8 AT 10:00 MST ON JUL 19	16.0 ON JUL 19	0.3148 ON MAR 2	136 000	1930
1931	17.4 AT 18:30 MST ON JUN 30	16.7 ON JUL 31	0.276 ON OCT 11	189 000	1931
1932	20.0 AT 11:30 MST ON JUN 16	18.1 ON JUN 16	0.2838 ON MAR 12	207 000	1932
1933	18.7 AT 18:00 MST ON JUN 28	18.5 ON AUG 24	0.238 ON SEP 28	194 000	1933
1934	26.0 AT 02:30 MST ON JUN 27	22.5 ON JUN 7	0.286 ON SEP 19	210 000	1934
1935	21.1 AT 21:00 MST ON JUL 28	20.5 ON JUL 21	0.1708 ON OCT 31	196 000	1935
1936	21.4 AT 09:30 MST ON MAY 28	21.3 ON MAY 28	0.0858 ON APR 4	194 000	1936
1937	88.0 AT 21:00 MST ON JUN 12	30.9 ON JUN 13	0.1428 ON MAR 21	189 000	1937
1938	25.2 AT 21:00 MST ON JUN 26	20.6 ON JUN 26	0.193 ON SEP 21	202 000	1938
1939	20.3 AT 08:00 MST ON JUN 16	19.7 ON JUN 16	0.0578 ON MAR 1	193 000	1939
1940	20.7 AT 18:30 MST ON JUL 27	20.3 ON JUL 27	0 B ON MAR 1 *	193 000	1940
1941	20.0 AT 15:00 MST ON JUN 3	19.9 ON JUN 4	0.153 ON OCT 10	162 000	1941
1942	25.5 AT 16:30 MST ON JUN 5	24.2 ON JUN 5	0.1138 ON MAR 1	223 000	1942
1943	17.7 AT 16:00 MST ON JUN 13	17.3 ON JUN 13	0.2278 ON MAR 16	185 000	1943
1944	17.2 AT 03:00 MST ON JUL 26	17.1 ON JUL 22	0.280 ON OCT 24	145 000	1944
1945	19.7 AT 02:00 MST ON JUN 5	18.2 ON JUN 5	0.2278 ON MAR 4	228 000	1945
1946	18.5 AT 02:00 MST ON JUN 15	18.2 ON JUN 24	0.221 ON OCT 27	244 000	1946
1947	16.5 AT 13:30 MST ON JUL 19	17.4 ON JUN 28	0.1138 ON MAR 11	191 000	1947
1948	83.5 AT 09:30 MST ON JUN 17 *	45.3 ON JUN 17	0.3118 ON MAR 1	198 000	1948
1949	20.1 AT 09:30 MST ON MAY 17	18.9 ON MAY 17	0.3988 ON MAR 18	209 000	1949
1950	18.0 ON MAY 17	17.6 ON MAY 17	0.5238 ON MAR 28	211 000	1950
1951	---	46.7 ON JUN 24 *	0.1708 ON MAR 1	180 000	1951
1952	25.38 AT 22:00 MST ON APR 6	17.6 ON JUL 18	0.8218 ON MAR 3	184 000	1952
1953	47.6 AT 10:00 MST ON JUN 3	37.7 ON JUN 3	0.5368 ON MAR 1	201 000	1953
1954	18.0 AT 20:00 MST ON AUG 28	17.4 ON AUG 27	0.7068 ON MAR 30	159 000	1954
1955	28.0 AT 19:00 MST ON MAY 18	19.3 ON JUL 11	0.1988 ON MAR 25	187 000	1955
1956	28.8 AT 20:00 MST ON JUL 3	23.2 ON JUL 3	0.3408 ON MAR 11	255 000	1956
1957	19.3 AT 12:00 MST ON MAY 21	18.0 ON MAY 21	0.5668 ON MAR 7	222 000	1957
1958	23.6 AT 21:00 MST ON APR 12	20.2 ON MAY 13	0.3118 ON MAR 8	230 000	1958
1959	24.2 AT 05:00 MST ON MAY 19	22.2 ON MAY 19	0.5108 ON MAR 10	286 000	1959
1960	21.2 ON JUN 20	21.1 ON JUN 19	0.1138 ON MAR 1	238 000	1960
1961	24.4 AT 17:00 MST ON AUG 16	19.6 ON MAY 27	0.3868 ON MAR 1	253 000	1961
1962	22.1 AT 04:00 MST ON APR 14	21.2 ON JUN 14	0.1478 ON MAR 10	240 000	1962
1963	23.6 AT 17:00 MST ON JUN 22	22.3 ON JUN 22	0.201 ON OCT 2	276 000	1963
1964	54.9 AT 18:00 MST ON JUN 8	38.5 ON JUN 8	0.2108 ON MAR 4	228 000	1964
1965	31.7 AT 09:30 MST ON JUN 17	28.3 ON JUN 28	0.8578 ON MAR 23	194 000	1965
1966	44.2 AT 21:00 MST ON JUN 4	34.3 ON JUN 4	0.8828 ON MAR 3	248 000	1966
1967	60.6 AT 22:00 MST ON MAY 8	25.3 ON MAY 8	0.4478 ON APR 20	192 000	1967
1968	28.8 AT 23:30 MST ON JUN 7	24.0 ON JUN 7	0.8278 ON MAR 10	284 000	1968
1969	27.5 AT 07:35 MST ON JUN 28	25.6 ON JUN 28	0.3468 ON MAR 13	234 000	1969
1970	29.2 AT 17:35 MST ON JUN 13	25.4 ON JUN 13	0.4338 ON OCT 27	216 000	1970
1971	31.7 AT 08:00 MST ON JUN 28	21.4 ON JUN 28	0.1878 ON MAR 8	211 000	1971
1972	62.58 AT 22:00 MST ON MAR 18	26.0 B ON MAR 18	0.2788 ON MAR 4	288 000	1972
1973	21.0 AT 12:40 MST ON JUN 10	20.7 ON JUN 10	0.386 ON SEP 12	182 000	1973
1974	28.9 AT 20:00 MST ON APR 30	24.8 ON APR 30	0.3278 ON MAR 8	268 000	1974
1975	56.6 AT 08:50 MST ON JUN 20	41.8 ON JUN 20	0.3118 ON APR 8	151 000	1975
1976	25.2 AT 08:20 MST ON JUN 14	23.5 ON JUN 14	0.486 ON OCT 26	277 000	1976
1977	19.5 AT 08:20 MST ON JUN 10	19.2 ON JUN 11	0.257 ON OCT 18	127 000	1977
1978	19.5 AT 07:55 MST ON AUG 23	18.6 ON JUL 8	0.3798 ON OCT 31	133 000	1978
1979	21.7 AT 10:35 MST ON JUN 18	21.1 ON JUN 18	0.384 ON SEP 29	161 000	1979
1980	32.6 AT 13:40 MST ON MAY 26	26.2 ON MAY 26	0.418 ON SEP 30	253 000	1980
1981	33.8 AT 05:50 MST ON JUN 14	29.1 ON JUN 14	0.5918 ON MAR 1	285 000	1981
1982	33.2 AT 07:40 MST ON MAY 28	20.4 ON MAY 27	0.301 ON SEP 8	136 000	1982
1983	30.2 AT 16:15 MST ON JUL 17	19.5 ON JUL 17	0.217 ON SEP 25	212 000	1983
1984	20.1 AT 22:05 MST ON JUN 21	19.7 ON JUN 22	0.140 ON SEP 19	186 000	1984
				182 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	1.82	1.81	1.17	0.724	0.488	---	---	---	1975
1976	---	---	---	---	1.51	1.84	2.88	3.81	1.81	0.911	---	---	2.05	1976
1977	---	---	---	---	3.31	6.17	3.68	3.84	3.20	1.94	---	---	3.71	1977
1978	---	---	---	---	4.87	12.7	6.50	4.41	4.88	2.42	---	---	6.31	1978
1979	---	---	---	---	2.87	3.81	2.34	1.87	0.974	0.723	---	---	2.03	1979
1980	---	---	---	---	2.71	16.7	5.34	3.18	2.77	1.85	---	---	5.71	1980
1981	---	---	---	---	4.68	3.48	17.8	5.95	1.81	1.28	---	---	5.80	1981
1982	---	---	---	---	0.857	5.32	5.47	1.87	1.48	1.44	---	---	3.43	1982
1983	---	---	---	---	2.42	4.24	5.07	1.47	0.859	0.761	---	---	2.48	1983
1984	---	---	---	---	0.579	5.21	2.21	1.03	1.48	2.01	---	---	2.07	1984
MEAN	---	---	---	---	2.68	5.29	5.90	2.83	2.00	1.39	---	---	3.74	MEAN

LOCATION - LAT 52 16 55 N
LONG 116 59 30 W

DRAINAGE AREA, 348 km²
NATURAL FLOW

NORTH RAM RIVER AT FORESTRY ROAD - STATION NO. 05DC011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	2.59 AT 12:00 MST ON JUL 14	2.37 ON JUL 15	---	---	1975
1976	5.89 AT 05:30 MST ON AUG 5	5.18 ON AUG 5	0.398 ON MAY 1	32 500	1976
1977	18.0 AT 00:30 MST ON JUN 2	16.5 ON JUN 2	0.244 ON MAY 1 *	58 000	1977
1978	23.3 AT 23:00 MST ON JUN 2	20.2 ON JUN 2	1.40 ON MAY 7	100 000	1978
1979	11.7 AT 20:30 MST ON MAY 24	8.89 ON MAY 24	0.589 ON MAY 8	32 300	1979
1980	54.1 AT 03:45 MST ON JUN 5	49.3 ON JUN 5	1.34 ON MAY 22	90 800	1980
1981	72.4 AT 18:55 MST ON JUL 14 *	63.2 ON JUL 15 *	0.518 ON MAY 1	83 700	1981
1982	33.4 AT 20:22 MST ON JUL 6	31.6 ON JUL 5	0.300E ON MAY 1	64 700	1982
1983	8.73 AT 13:01 MST ON JUN 24	8.31 ON JUN 25	0.666 ON OCT 28	39 800	1983
1984	13.8 AT 01:17 MST ON JUN 8	12.7 ON JUN 9	0.287 ON MAY 5	32 900	1984
				59 800	MEAN

E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	262	493	798	897	326	187	72.8	46.8	---	1911
1912	36.8	37.8	37.3	131	338	517	887	769	385	203	80.0	47.6	295	1912
1913	38.5	37.2	37.3	232	276	581	808	624	267	126	86.7	30.0	235	1913
1914	34.4	27.0	32.2	84.4	267	897	535	314	184	129	70.0	31.2	200	1914
1915	34.7	30.8	47.5	84.0	237	1 080	1 210	887	292	161	85.4	48.8	334	1915
1916	34.9	32.8	48.8	135	186	725	828	592	459	212	122	73.2	290	1916
1917	37.7	38.6	37.8	140	723	718	582	372	241	167	86.4	51.8	271	1917
1918	35.4	35.0	64.4	197	186	551	478	400	238	145	74.3	40.8	205	1918
1919	36.2	28.5	24.7	90.3	186	288	341	419	277	106	48.4	32.8	153	1919
1920	33.4	32.8	33.1	78.8	681	458	599	417	184	87.4	58.3	28.7	234	1920
1921	33.1	31.5	32.2	177	328	428	437	371	127	76.1	39.8	29.1	177	1921
1922	22.5	22.8	25.5	89.1	247	420	410	472	248	118	49.7	21.8	178	1922
1923	20.1	25.8	25.2	82.5	159	989	883	545	303	143	74.1	61.0	258	1923
1924	26.1	27.8	31.1	88.9	357	412	485	490	272	127	58.4	34.7	199	1924
1925	28.8	28.8	28.2	355	279	548	517	787	477	286	81.8	71.9	286	1925
1926	41.0	38.5	51.3	182	178	382	454	323	774	284	128	39.1	240	1926
1927	44.1	41.6	58.8	288	343	882	785	526	329	193	72.0	54.0	285	1927
1928	88.4	85.4	89.6	157	236	915	944	423	220	112	84.0	43.6	278	1928
1929	28.9	27.8	36.3	85.9	261	483	284	303	194	83.7	47.6	32.8	154	1929
1930	28.9	31.9	43.8	123	205	448	444	352	225	109	53.8	41.5	176	1930
1931	30.5	27.1	27.7	88.5	182	398	585	368	240	125	84.6	54.6	182	1931
1932	40.8	31.5	27.2	158	315	840	435	421	250	122	61.7	41.0	228	1932
1933	43.5	34.8	32.7	141	447	478	467	372	252	91.3	44.8	30.3	204	1933
1934	38.1	35.3	67.3	158	282	410	322	292	182	105	84.5	40.7	185	1934
1935	22.8	27.3	26.7	158	278	535	831	491	228	114	86.1	34.8	238	1935
1936	34.8	32.9	24.7	340	408	487	345	348	187	101	80.4	25.8	201	1936
1937	16.7	16.4	24.9	88.0	208	362	514	323	222	120	87.5	48.0	168	1937
1938	37.4	21.7	30.8	78.1	178	575	610	425	344	188	88.2	40.4	214	1938
1939	36.4	30.9	54.4	101	184	438	487	348	194	122	82.1	42.3	177	1939
1940	27.8	23.2	29.0	261	287	331	404	290	258	128	48.8	38.7	178	1940
1941	27.8	29.2	31.2	70.5	86.8	317	402	342	184	117	81.1	32.8	143	1941
1942	31.0	28.9	24.8	81.4	187	531	707	486	308	183	80.1	57.1	225	1942
1943	45.5	34.7	38.2	320	184	483	580	385	188	102	43.8	25.3	200	1943
1944	26.8	28.1	35.4	95.5	218	1 040	852	551	274	143	70.3	31.1	284	1944
1945	34.5	33.0	37.4	83.8	243	410	401	327	188	180	73.8	50.3	171	1945
1946	44.0	38.2	41.5	131	224	720	472	300	214	103	38.0	55.8	189	1946
1947	47.2	40.2	49.8	217	284	511	528	334	251	153	97.5	55.0	215	1947
1948	46.8	38.2	41.1	197	1 130	718	543	589	233	114	58.8	28.4	310	1948
1949	33.5	32.6	33.0	118	185	245	433	319	186	89.0	59.0	19.8	144	1949
1950	24.4	26.0	26.0	97.8	188	555	568	348	207	95.1	40.4	38.8	184	1950
1951	30.5	28.7	27.5	97.8	488	408	526	381	288	157	82.8	58.3	221	1951
1952	53.8	46.3	48.6	290	210	944	588	454	238	137	63.1	27.1	265	1952
1953	38.4	39.7	37.6	88.6	351	784	591	508	284	115	73.1	37.6	245	1953
1954	36.8	42.4	33.6	77.4	535	959	637	884	701	243	128	74.4	383	1954
1955	46.7	53.0	45.4	178	372	555	502	268	178	82.8	38.1	37.7	187	1955
1956	35.0	28.9	30.3	214	228	471	447	330	188	101	48.8	31.8	180	1956
1957	30.8	25.6	32.1	111	366	400	303	278	225	152	97.9	62.1	175	1957
1958	43.8	38.7	38.8	153	380	570	681	384	208	103	51.0	37.8	225	1958
1959	34.8	32.9	43.7	77.5	182	838	548	294	208	138	76.0	57.0	194	1959
1960	41.5	40.2	88.8	123	234	388	819	348	158	103	50.8	35.5	185	1960
1961	38.4	33.3	48.7	71.2	259	488	380	426	177	84.8	43.8	62.0	178	1961
1962	58.3	63.5	47.2	161	224	391	482	354	188	85.4	118	87.8	187	1962
1963	54.3	85.7	85.1	237	274	488	552	322	208	108	80.9	88.8	209	1963
1964	87.0	85.3	87.8	108	372	725	507	225	230	182	108	83.7	224	1964
1965	58.3	84.8	110	315	291	1 080	1 080	458	321	226	118	81.0	355	1965
1966	102	83.2	83.2	177	255	358	854	532	236	178	89.4	73.0	237	1966
1967	88.8	81.4	77.8	124	255	887	488	268	202	84.5	87.5	82.0	208	1967
1968	88.8	81.2	113	94.3	185	384	412	381	202	135	89.5	81.3	184	1968
1969	81.1	76.8	70.8	186	258	423	725	458	208	100	88.3	88.8	231	1969
1970	87.2	74.1	73.7	153	214	521	444	257	118	83.8	87.1	74.8	178	1970
1971	82.4	80.8	83.8	228	187	580	510	402	148	85.8	78.8	83.0	208	1971
1972	71.7	87.3	84.2	184	182	803	822	274	131	147	88.0	84.7	235	1972
1973	108	122	108	242	374	338	287	201	188	181	98.8	90.7	191	1973
1974	107	142	88.7	432	431	410	333	180	204	188	124	114	231	1974
1975	127	108	105	187	228	188	183	134	108	81.1	83.2	117	140	1975
1976	108	123	121	188	187	207	180	258	215	183	151	112	167	1976
1977	131	88.4	88.8	148	324	348	218	248	225	183	115	116	187	1977
1978	127	148	134	184	238	511	482	223	288	182	188	148	231	1978
1979	112	130	181	180	243	204	203	188	128	105	93.8	81.2	153	1979
1980	82.2	84.1	182	258	188	857	423	233	218	181	127	78.0R	238R	1980
1981	111	102	124	158	378	274	492	487	215	188	188	128	233	1981
1982	103	128	128	240	218	282	742	188	177	182	104	128	218	1982
1983	141	118	128	280	258	240	288	143	118	118	120	107	172	1983
1984	118	108	138	200	141	233	188	148	188	178	183	108	158	1984
MEAN	54.9	53.5	58.1	181	285	532	530	384	241	138	80.7	57.2R	215	MEAN

LOCATION - LAT 53 32 15 N
LONG 113 28 04 W

DRAINAGE AREA, 28 000 km²
REGULATED SINCE 1950

R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT EDMONTON - STATION NO. 05DF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	1 480 ON JUL 3	---	---	1911
1912	---	2 100 ON JUL 10	30.0 ON MAR 25	9 320 000	1912
1913	---	823 ON AUG 15	18.4 ON DEC 24	7 410 000	1913
1914	---	1 750 ON JUN 9	19.8 B ON DEC 15	8 320 000	1914
1915	5 800 ON JUN 28 *	4 640 ON JUN 28 *	28.6 B ON JAN 30	10 500 000	1915
1916	1 740 ON JUN 22	1 670 ON JUN 22	28.9 B ON MAR 4	9 180 000	1916
1917	---	1 880 ON MAY 18	27.2 B ON DEC 12	8 640 000	1917
1918	---	1 000 ON JUN 15	27.2 B ON FEB 20	8 470 000	1918
1919	---	884 ON JUN 24	19.5 B ON MAR 4	4 840 000	1919
1920	---	1 820 ON MAY 10	22.7 B ON DEC 23	7 410 000	1920
1921	778 ON MAY 23	705 ON MAY 23	10.8 B ON NOV 25	5 590 000	1921
1922	810 AT 19:00 MST ON AUG 18	731 ON AUG 18	15.3 B ON DEC 16	5 810 000	1922
1923	2 820 AT 09:00 MST ON JUN 25	2 380 ON JUN 25	15.3 B ON JAN 11	8 150 000	1923
1924	782 ON JUL 5	778 ON JUL 5	21.4 B ON DEC 26	6 300 000	1924
1925	2 180A AT 11:50 MST ON AUG 16	2 180A ON AUG 16	15.2 B ON FEB 26	9 090 000	1925
1926	---	1 680 ON SEP 4	32.3 B ON JAN 19	7 580 000	1926
1927	1 280 AT 18:00 MST ON JUN 28	1 140 ON JUN 28	37.7 B ON NOV 13	8 970 000	1927
1928	---	1 730 ON JUL 7	34.5 B ON DEC 31	8 810 000	1928
1929	---	1 080 ON JUN 5	27.3 B ON JAN 19	4 850 000	1929
1930	677 AT 08:00 MST ON JUN 13	671 ON JUL 17	27.0 B ON JAN 16	5 560 000	1930
1931	---	1 110 ON JUL 2	19.8 B ON MAR 16	5 740 000	1931
1932	---	1 870 ON JUN 4	22.5 B ON DEC 13	7 230 000	1932
1933	---	974 ON JUN 19	28.1 B ON DEC 23	8 420 000	1933
1934	---	785 ON JUN 1	18.5 B ON DEC 31	5 190 000	1934
1935	---	1 310 ON JUL 11	11.5 B ON JAN 3	7 530 000	1935
1936	---	1 140 ON APR 19	13.6 B ON DEC 23	8 380 000	1936
1937	---	882 ON JUL 17	13.6 B ON JAN 3	5 310 000	1937
1938	---	1 130 ON JUL 4	19.3 B ON FEB 4	8 780 000	1938
1939	---	855 ON JUN 28	9.40B ON DEC 31	5 800 000	1939
1940	---	1 010B ON APR 18	6.23B ON JAN 1 *	5 810 000	1940
1941	---	756 ON JUN 25	16.5 B ON NOV 26	4 500 000	1941
1942	---	1 200 ON JUL 14	22.5 B ON MAR 27	7 100 000	1942
1943	---	1 250 ON APR 12	15.6 B ON NOV 22	8 290 000	1943
1944	3 570 AT 18:00 MST ON JUN 18	3 450 ON JUN 18	19.8 B ON JAN 5	8 380 000	1944
1945	---	688 ON JUN 1	28.8 B ON JAN 1	5 400 000	1945
1946	---	1 270 ON JUN 24	17.0 B ON NOV 26	8 280 000	1946
1947	---	810 ON JUN 13	30.3 B ON MAR 17	8 770 000	1947
1948	---	1 850 ON MAY 25	20.7 B ON DEC 14	9 800 000	1948
1949	---	926 ON JUL 22	12.2 B ON DEC 13	4 530 000	1949
1950	1 520 AT 05:00 MST ON JUN 17	1 420 ON JUN 17	17.7 B ON NOV 25	5 800 000	1950
1951	1 180 AT 13:00 MST ON MAY 3	1 100 ON MAY 3	24.8 B ON MAR 19	5 980 000	1951
1952	3 740 AT 11:00 MST ON JUN 25	3 540 ON JUN 25	16.5 B ON NOV 29	8 380 000	1952
1953	1 300 AT 10:00 MST ON JUN 5	1 270 ON JUN 5	28.0 B ON JAN 1	7 720 000	1953
1954	3 340 AT 21:45 MST ON JUN 8	3 030 ON JUN 8	23.6 B ON APR 8	11 400 000	1954
1955	805 AT 01:00 MST ON JUN 15	881 ON JUN 15	18.4 B ON NOV 20	8 210 000	1955
1956	753 AT 18:00 MST ON JUN 7	722 ON JUN 7	14.3 B ON DEC 13	5 880 000	1956
1957	863 AT 07:00 MST ON MAY 22	817 ON JUN 11	22.8 B ON JAN 29	5 520 000	1957
1958	1 480 AT 18:00 MST ON JUN 30	1 410 ON JUN 30	18.9 B ON DEC 14	7 080 000	1958
1959	1 480 AT 22:00 MST ON JUN 28	1 310 ON JUN 29	18.1 B ON NOV 20	8 130 000	1959
1960	1 100 AT 13:00 MST ON JUL 3	1 040 ON JUL 3	19.8 B ON NOV 30	5 850 000	1960
1961	852 AT 21:00 MST ON JUL 31	770 ON JUL 31	18.3 B ON NOV 28	8 580 000	1961
1962	807 AT 08:00 MST ON JUL 14	785 ON AUG 8	35.7 ON MAR 18	5 900 000	1962
1963	1 130 AT 23:58 MST ON JUL 17	1 050 ON JUL 18	37.7 B ON JAN 2	8 590 000	1963
1964	1 410 AT 01:00 MST ON JUN 21	1 350 ON JUN 21	30.3 B ON DEC 1	7 200 000	1964
1965	2 700 AT 20:00 MST ON JUN 28	2 590 ON JUN 28	50.1 B ON JAN 31	11 200 000	1965
1966	1 750 AT 12:00 MST ON JUL 6	1 630 ON JUL 6	42.5 B ON DEC 7	7 480 000	1966
1967	1 050 AT 09:00 MST ON JUN 19	1 000 ON JUN 19	34.5 B ON DEC 2	8 590 000	1967
1968	680 AT 06:00 MST ON JUN 13	597 ON AUG 9	28.6 B ON NOV 19	5 830 000	1968
1969	1 850 AT 21:45 MST ON JUL 7	1 740 ON JUL 7	50.1 B ON NOV 18	7 300 000	1969
1970	1 610 AT 14:24 MST ON JUN 18	1 520 ON JUN 18	38.0 B ON NOV 23	5 830 000	1970
1971	---	1 180A ON JUN 11	38.2 B ON DEC 18	8 520 000	1971
1972	3 200 AT 20:00 MST ON JUN 27	2 970 ON JUN 27	35.8 B ON DEC 3	7 430 000	1972
1973	718 AT 01:00 MST ON JUL 3	588 ON JUN 28	88.8 B ON NOV 12	8 030 000	1973
1974	1 120 AT 01:40 MST ON APR 24	1 050 ON APR 20	72.2 B ON JAN 13	7 280 000	1974
1975	708 AT 19:00 MST ON MAY 2	618 ON MAY 7	47.3 B ON NOV 25	4 430 000	1975
1976	687 AT 22:30 MST ON AUG 19	630 ON AUG 19	88.8 B ON DEC 7	5 280 000	1976
1977	880 AT 17:50 MST ON MAY 30	820 ON MAY 31	19.8 B ON NOV 22	5 880 000	1977
1978	1 040 AT 19:15 MST ON JUL 12	948 ON JUL 13	84.3 B ON JAN 10	7 280 000	1978
1979	704B AT 21:45 MST ON APR 26	385B ON APR 26	37.0 B ON NOV 30	4 840 000	1979
1980	2 070 AT 22:00 MST ON JUN 6	1 740 ON JUN 7	44.3 R ON DEC 8	7 570 000R	1980
1981	1 220 AT 23:45 MST ON JUL 28	1 160 ON JUL 28	71.7 B ON MAR 6	7 340 000	1981
1982	2 030 AT 10:20 MST ON JUL 8	1 920 ON JUL 8	80.0 B ON NOV 22	8 880 000	1982
1983	831 AT 23:55 MST ON JUL 8	483 ON APR 27	85.8 ON NOV 14	5 470 000	1983
1984	393 AT 23:25 MST ON JUN 11	373 ON JUN 11	70.0 B ON DEC 20	4 900 000	1984
				8 770 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT LEA PARK - STATION NO. 05EF003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	---	117	87.0	28.4	---	1958
1959	33.4	36.8	48.8	119	171	578	573	302	201	157	76.5	52.4	198	1959
1960	48.8	36.9	51.8	152	209	344	583	330	184	103	89.7	35.1	178	1960
1961	42.8	32.4	44.7	83.8	220	515	378	434	192	103	75.8	39.6	181	1961
1962	51.8	38.3	53.4	205	224	423	512	388	208	130	183	71.6	208	1962
1963	65.3	44.8	64.7	404	358	460	529	355	230	122	80.0	57.2	240	1963
1964	48.1	42.3	77.5	112	358	868	525	239	227	233	109	74.8	235	1964
1965	60.7	71.8	135	382	388	1 020	1 280	500	315	252	127	93.1	383	1965
1966	88.4	88.8	88.2	192	242	369	824	514	268	186	98.3	72.1	238	1966
1967	77.1	80.7	78.0	105	318	732	488	281	197	97.8	58.0	55.5	214	1967
1968	78.4	88.1	101	151	183	341	401R	388R	219	142	74.7	57.8	184R	1968
1969	60.4	72.1	80.2	241	271	383	690	422	231	121	---	---	---	1969
1970	---	---	---	---	219	518	467	264	138	88.1	---	---	---	1970
1971	---	---	---	---	284	823	540	420	181	110	---	---	---	1971
MEAN	58.5	58.5	77.2	193	259	539	581R	372R	211	141	87.8	63.4	228	MEAN

LOCATION - LAT 53 38 30 N
LONG 110 20 20 W

DRAINAGE AREA, 47 700 km²
REGULATED SINCE 1960

R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT LEA PARK - STATION NO. 05EF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1958	---	---	---	---	1958
1959	1 480 AT 18:00 MST ON JUN 30	1 380 ON JUN 30	22.0B ON JAN 11	8 230 000	1959
1960	---	833 ON JUL 8	18.1B ON DEC 8	5 630 000	1960
1961	798 AT 12:00 MST ON AUG 2	745 ON AUG 2	14.7B ON DEC 5 *	5 700 000	1961
1962	---	889 ON JUL 1	38.2B ON MAR 28	8 580 000	1962
1963	1 080 AT 14:00 MST ON JUL 19	1 000 ON JUL 19	35.7B ON NOV 10	7 670 000	1963
1964	---	1 300A ON JUN 22	35.4B ON DEC 26	7 420 000	1964
1965	2 890 AT 18:00 MST ON JUN 30 *	2 740 ON JUN 30 *	47.3B ON FEB 8	12 100 000	1965
1966	1 870 AT 22:00 MST ON JUL 7	1 480 ON JUL 8	44.5B ON DEC 12	7 500 000	1966
1967	---	1 020A ON JUN 20	34.0B ON DEC 8	8 780 000	1967
1968	882 AT 10:58 MST ON JUN 18	881 ON JUN 18	29.4A ON MAY 2	8 830 000R	1968
1969	---	1 700 ON JUL 8	51.0B ON FEB 25	---	1969
1970	---	1 480 ON JUN 19	---	---	1970
1971	---	1 210 ON JUN 12	---	---	1971
				7 130 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT ROCKY RAPIDS - STATION NO. 05DE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	35.6	34.2	44.4	101	270	1 230	1 280	595	309	182	89.2	50.5	389	1915
1916	37.0	35.6	43.5	126	208	713	742	566	448	207	127	78.9	278	1916
1917	56.2	39.2	36.0	127	551	846	678	435	271	172	103	49.7	276	1917
1918	55.2	33.7	52.1	177	198	588	489	409	256	126	71.4	41.0	208	1918
1919	30.6	24.6	23.9	53.3	174	318	402	488	321	105	49.2	41.6	170	1919
1920	32.5	33.5	31.6	123	518	452	818	504	205	114	53.3	27.4	252	1920
1921	28.0	26.7	27.0	154	381	483	427	341	135	86.3	49.8	---	---	1921
1922	---	---	---	---	220	490	459	547	265	108	---	---	---	1922
MEAN	38.6	32.6	37.2	123	342	615	881	498	276	136	77.8	47.8	288	MEAN

LOCATION - LAT 53 12 55 N
LONG 114 55 52 W

DRAINAGE AREA, 21 800 km²
NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT ROCKY RAPIDS - STATION NO. 05DE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	5 410 ON JUN 27 *	28.7 ON MAR 7	11 300 000	1915
1916	---	1 800 ON JUN 21	27.5B ON MAR 7	8 780 000	1916
1917	---	1 430E ON MAY 17	28.3B ON DEC 12	8 750 000	1917
1918	---	1 080 ON JUN 15	24.1B ON FEB 20	8 610 000	1918
1919	---	834 ON JUN 23	20.2B ON MAR 4 *	8 380 000	1919
1920	---	1 370B ON MAY 8	32.4B ON DEC 21	7 980 000	1920
1921	---	875 ON MAY 22	---	---	1921
1922	---	824 ON AUG 17	---	---	1922
				8 130 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT SASKATCHEWAN CROSSING - STATION NO. 05DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	59.6	---	---	---	---	1950
1951	---	---	---	---	---	72.4	144	100	36.0	15.3	---	---	---	1951
1952	---	---	---	---	---	68.6	121	120	---	---	---	---	---	1952
1953	---	---	---	---	---	74.0	118	86.6	51.8	17.5	---	---	---	1953
1954	---	---	---	---	---	---	---	104	54.2	16.1	---	---	---	1954
1955	---	---	---	---	---	98.2	180	108	60.7	9.58	---	---	---	1955
1956	---	---	---	---	53.7	104	152	118	48.2	16.7	---	---	---	1956
1957	---	---	---	---	---	98.2	82.5	87.7	51.1	---	---	---	---	1957
1958	---	---	---	---	82.0	130	145	143	52.2	17.8	---	---	---	1958
1959	---	---	---	---	28.1	92.1	128	71.6	38.2	14.2	---	---	---	1959
1960	---	---	---	---	16.8	71.7	157	102	42.1	14.8	---	---	---	1960
1961	---	---	---	---	51.4	152	131	127	36.6	21.4	---	---	---	1961
1962	---	---	---	---	24.1	77.7	110	100	40.3	15.6	---	---	---	1962
1963	---	---	---	---	---	95.2	120	113	64.7	25.4	---	---	---	1963
1964	---	---	---	---	17.7	94.8	146	89.6	42.6	19.8	---	---	---	1964
1965	---	---	---	---	26.8	93.5	150	143	24.3	14.7	---	---	---	1965
1966	---	---	---	---	31.6	76.7	130	111	68.4	24.0	6.42	6.28	---	1966
1967	4.08	3.73	4.63	6.47	26.2	136	142	130	69.0	20.6	8.22	6.44	48.6	1967
1968	6.35	4.04	2.68	3.07	32.2	97.0	137	95.7	57.3	14.6	6.30	5.68	38.6	1968
1969	2.68	2.68	1.85	6.00	46.6	131	105	89.6	44.1	13.6	7.89	5.75	39.2	1969
1970	2.60	2.70	2.82	3.15	16.4	118	152	126	---	---	---	---	---	1970
MEAN	3.87	3.28	3.02	4.67	33.4	99.8	134	108	51.7	17.1	6.46	6.54	42.2	MEAN

LOCATION - LAT 51 56 00 N DRAINAGE AREA, 1 280 km²
LONG 116 43 30 W NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT SASKATCHEWAN CROSSING - STATION NO. 05DA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1950	---	---	---	---	1950
1951	183 AT 03:00 MST ON JUL 14	178 ON JUN 15	---	---	1951
1952	200 AT 04:30 MST ON AUG 14	179 ON AUG 14	---	---	1952
1953	314 AT 03:00 MST ON JUL 15 *	283 ON JUL 15 *	---	---	1953
1954	187 AT 02:00 MST ON JUL 20	178 ON JUL 20	---	---	1954
1955	278 AT 23:00 MST ON JUL 18	271 ON JUL 18	---	---	1955
1956	223 AT 01:00 MST ON JUL 22	217 ON JUL 22	---	---	1956
1957	170 AT 08:00 MST ON JUN 8	163 ON JUN 8	---	---	1957
1958	208 AT 23:00 MST ON JUL 22	202 ON JUL 22	---	---	1958
1959	208 AT 03:00 MST ON JUL 25	201 ON JUL 24	---	---	1959
1960	212 AT 01:00 MST ON JUL 20	200 ON JUL 19	---	---	1960
1961	210 AT 02:00 MST ON JUN 20	204 ON JUN 7	---	---	1961
1962	188 AT 13:00 MST ON JUN 28	183 ON JUN 28	---	---	1962
1963	204 AT 23:30 MST ON AUG 13	187 ON JUL 8	---	---	1963
1964	228 AT 02:00 MST ON JUL 14	218 ON JUL 14	---	---	1964
1965	224 AT 03:00 MST ON JUL 9	220 ON JUL 8	---	---	1965
1966	186 AT 03:30 MST ON AUG 5	182 ON AUG 5	---	---	1966
1967	213 AT 08:00 MST ON JUL 5	204 ON JUL 5	3.688 ON FEB 17	1 330 000	1967
1968	236 AT 10:00 MST ON JUN 27	231 ON JUN 27	2.128 ON APR 5	1 330 000	1968
1969	185 AT 11:00 MST ON JUN 17	171 ON JUN 17	1.708 ON MAR 14 *	1 330 000	1969
1970	---	191 ON JUL 9	---	---	1970
				1 330 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO. 05DC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	388	124	53.0	30.2	24.8	---	1915
1916	12.8	12.9	13.0	22.4	58.7	312	347	237	148	58.7	25.5	13.0	105	1916
1917	13.3	11.8	11.3	14.8	107	178	326	247	123	62.8	29.0	15.6	97.2	1917
1918	13.3	13.7	12.7	25.8	74.0	340	298	248	154	64.4	23.9	14.5	107	1918
1919	13.4	10.8	11.3	18.8	61.1	184	224	278	115	36.7	14.9	12.7	81.8	1919
1920	14.7	11.2	9.48	15.8	84.8	144	430	273	107	42.8	28.3	18.9	97.0	1920
1921	11.7	8.80	8.82	15.2	90.8	248	244	216	92.3	38.2	---	---	---	1921
1922	---	---	---	---	---	198	292	274	122	52.1	28.2	---	---	1922
1923	---	---	---	19.2	88.2	---	---	---	---	---	---	---	---	1923
1952	---	---	---	---	---	---	275	227	97.3	---	---	---	---	1952
1953	---	---	---	---	88.7	281	285	214	118	48.4	---	17.0	---	1953
1954	15.5	14.5	11.9	14.1	83.5	231	316	258	170	80.8	35.8	28.7	104	1954
1955	19.9	16.1	15.1	25.0	91.0	230	300	174	109	36.8	---	---	---	1955
1956	---	---	---	---	118	249	289	206	93.1	44.1	---	---	---	1956
1957	---	---	---	---	184	203	183	152	104	54.5	---	---	---	1957
1958	---	---	---	22.3	157	283	283	239	109	48.5	---	---	---	1958
1959	---	---	---	23.5	73.6	282	304	182	100	48.4	---	---	---	1959
1960	---	---	---	---	83.2	173	326	201	90.2	45.0	---	---	---	1960
1961	---	---	---	---	119	328	251	247	89.6	59.7	---	---	---	1961
1962	---	---	---	---	72.9	187	249	208	109	48.3	---	---	---	1962
1963	---	---	---	---	86.1	235	270	224	152	82.4	---	---	---	1963
1964	---	---	---	---	82.3	285	318	---	---	---	---	---	---	1964
1965	---	---	---	---	89.1	317	385	282	100	83.0	---	---	---	1965
1966	---	---	---	---	110	185	331	253	134	64.5	---	---	---	1966
1967	---	---	---	---	86.9	328	291	229	150	54.6	---	---	---	1967
1968	---	---	---	---	88.4	231	317	206	121	48.1	---	---	---	1968
1969	---	---	---	---	111	274	247	204	94.7	43.9	---	---	---	1969
1970	---	---	---	---	89.4	258	248	193	75.0	34.9	---	---	---	1970
1971	---	---	---	---	101	257	235	258	97.8	40.0	---	---	---	1971
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	---	---	---	---	85.3	89.7	77.8	53.0	86.0	88.3	---	---	---	1973
1974	---	---	---	---	108	118	89.5	87.8	108	101	---	---	---	1974
1975	---	---	---	---	77.0	82.2	87.5	49.8	55.8	71.3	---	---	---	1975
1976	---	---	---	---	77.4	82.8	85.8	87.6	104	85.8	---	---	---	1976
1977	---	---	---	---	72.5	82.9	77.5	73.0	77.4	78.5	---	---	---	1977
1978	---	---	---	---	78.9	130	128	84.1	71.2	88.9	---	---	---	1978
MEAN	14.3	12.5	11.7	19.5	85.9	220	254	202	108	57.8	28.4	17.8	98.7	MEAN

LOCATION - LAT 52 27 10 N DRAINAGE AREA, 5 180 km²
LONG 115 45 20 W REGULATED SINCE 1972

NORTH SASKATCHEWAN RIVER AT SAUNDERS - STATION NO. 05DC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	1 240 ON JUN 27 *	---	---	---	1915
1916	---	894 ON JUN 20	9.34B ON JAN 23	3 330 000	1916
1917	---	484 ON JUL 17	10.5 B ON FEB 18	3 070 000	1917
1918	---	778 ON JUN 15 *	11.0 B ON FEB 20	3 390 000	1918
1919	---	442 ON JUN 23	9.20B ON MAR 1	2 880 000	1919
1920	---	521 ON JUL 3	8.35B ON MAR 14 *	3 070 000	1920
1921	---	406 ON JUN 26	---	---	1921
1922	---	438 ON JUL 7	---	---	1922
1923	---	---	---	---	1923
1952	770 AT 08:00 MST ON JUN 23	683 ON JUN 23	---	---	1952
1953	808 AT 12:00 MST ON JUL 15	680 ON JUL 15	---	---	1953
1954	478 AT 14:00 MST ON AUG 25	430E ON JUL 9	8.78B ON APR 2	3 270 000	1954
1955	516 AT 11:00 MST ON JUL 18	507 ON JUL 19	---	---	1955
1956	419 AT 21:00 MST ON JUN 5	394 ON JUN 5	---	---	1956
1957	345 AT 18:00 MST ON JUN 8	328 ON JUN 8	---	---	1957
1958	541 AT 21:00 MST ON JUN 28	481 ON JUN 29	---	---	1958
1959	493 ON JUN 27	478 ON JUN 27	---	---	1959
1960	484 AT 21:00 MST ON JUL 1	418 ON JUL 2	---	---	1960
1961	487 AT 03:00 MST ON JUN 8	459 ON JUN 7	---	---	1961
1962	419 AT 03:00 MST ON JUN 27	385 ON JUN 27	---	---	1962
1963	418 AT 19:00 MST ON JUL 8	406 ON JUL 9	---	---	1963
1964	507 AT 08:00 MST ON JUL 10	490 ON JUL 10	---	---	1964
1965	---	800 ON JUL 8	---	---	1965
1966	595 AT 05:00 MST ON JUL 4	549 ON JUL 4	---	---	1966
1967	453 AT 10:00 MST ON JUN 18	447 ON JUN 18	---	---	1967
1968	524 AT 07:44 MST ON JUL 12	507 ON JUL 12	---	---	1968
1969	398 AT 09:04 MST ON JUN 8	382 ON JUN 8	---	---	1969
1970	493 AT 15:45 MST ON JUN 18	428 ON JUN 19	---	---	1970
1971	442 AT 17:00 MST ON JUN 8	430 ON JUN 8	---	---	1971
1972	779A AT 13:00 MST ON JUN 25	680A ON JUN 26	---	---	1972
1973	186 AT 03:00 MST ON JUL 5	186 ON MAY 16	---	---	1973
1974	207 AT 09:40 MST ON JUN 26	194 ON JUN 22	---	---	1974
1975	152 AT 02:30 MST ON JUL 18	111 ON JUL 14	---	---	1975
1976	180 AT 04:00 MST ON SEP 6	142 ON JUL 22	---	---	1976
1977	159 AT 00:00 MST ON JUN 23	155 ON JUN 23	---	---	1977
1978	226 AT 19:40 MST ON JUL 11	185 ON JUL 8	---	---	1978
				3 120 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	149	181	151	80.8	17.9	7.83	5.47	---	1970
1971	4.84	4.88	3.84	8.70	57.8	124	137	204	88.7	23.3	8.76	5.83	64.8	1971
1972	3.52	4.07	5.01	5.38	52.6	198	150	178	89.8	24.1	12.2	7.67	68.3	1972
1973	5.62	5.05	5.18	8.60	45.8	117	138	134	61.3	20.8	10.8	7.13	48.8	1973
1974	5.25	5.48	4.71	9.94	27.8	159	188	150	75.7	28.9	10.4	8.19	54.6	1974
1975	5.03	4.84	4.83	5.78	21.1	80.3	202	108	80.8	22.1	12.8	8.14	48.0	1975
1976	5.82	5.14	4.54	7.40	---	80.1	178	177	85.0	28.4	8.40	7.22	---	1976
1977	5.80	5.62	5.32	8.51	31.4	118	110	148	45.8	14.5	8.77	6.82	42.3	1977
1978	4.88	4.85	4.65	7.65	28.8	138	210	138	87.8	27.4	12.6	8.02	57.2	1978
1979	5.39	4.82	5.88	8.05	30.0	118	178	187	87.1	32.8	9.24	6.32	54.7	1979
1980	5.29	4.67	4.80	17.4	86.8R	148 R	151	101	51.0	32.2	11.8	10.8	52.2R	1980
1981	6.86	4.87	5.88	7.52	73.4	87.7	214	205	87.5	20.4	12.5	7.77	61.7	1981
1982	5.03	4.98	4.38	5.95	23.3	185	182	114	88.2	28.8	11.0	7.78	54.3	1982
1983	5.72	5.16	4.83	8.72	38.1	112	149	180	88.1	21.5	16.5	7.82	48.3	1983
1984	5.17	5.19	4.88	7.87	16.4	125	158	174	80.0	28.3	7.40	6.25	50.0	1984
MEAN	5.42	4.95	4.90	7.89	41.0R	129 R	167	154	69.9	24.8	10.8	7.37	52.4	MEAN

LOCATION - LAT 52 00 08 N DRAINAGE AREA, 1 920 km²
LONG 116 28 10 W NATURAL FLOW

R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT WHIRLPOOL POINT - STATION NO. 05DA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	236 AT 05:40 MST ON JUL 9	221 ON JUL 9	---	---	1970
1971	268 AT 03:30 MST ON AUG 9	268 ON AUG 9	3.62B ON MAR 4	1 720 000	1971
1972	377 AT 18:20 MST ON JUN 11 *	385 ON JUN 11 *	3.28B ON JAN 25 *	1 840 000	1972
1973	303 AT 22:20 MST ON JUN 24	280 ON JUN 24	4.87B ON FEB 9	1 480 000	1973
1974	337 AT 11:35 MST ON JUN 24	331 ON JUN 24	4.47B ON MAR 28	1 720 000	1974
1975	303 AT 08:30 MST ON JUL 14	292 ON JUL 14	4.50B ON FEB 17	1 420 000	1975
1976	260 AT 07:40 MST ON AUG 4	241 ON AUG 5	---	---	1976
1977	213 AT 04:30 MST ON JUN 9	193 ON JUL 29	5.10B ON FEB 28	1 340 000	1977
1978	274 AT 02:00 MST ON JUL 28	253 ON JUL 27	4.48B ON JAN 31	1 800 000	1978
1979	278 AT 05:00 MST ON JUL 22	262 ON JUL 21	4.40B ON NOV 30	1 720 000	1979
1980	286R AT 10:24 MST ON JUN 17	277R ON JUN 17	4.27B ON JAN 29	1 650 000R	1980
1981	293 AT 13:25 MST ON JUL 29	286 ON JUL 29	4.00B ON FEB 13	1 850 000	1981
1982	---	304E ON JUL 22	4.22B ON MAR 8	1 710 000	1982
1983	286 AT 05:35 MST ON JUL 13	248 ON JUL 13	3.91 ON APR 12	1 550 000	1983
1984	333 AT 06:05 MST ON JUN 30	303 ON JUN 30	4.50B ON JAN 21	1 580 000	1984
				1 650 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER AT WILSON'S RANCH - STATION NO. 05DA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1916	5.06	5.55	7.40	11.8	26.2	199	223	183	101	38.0	15.2	9.63	67.5	1916
1917	6.68	5.79	6.30	8.47	16.7	108	238	162	100	---	---	---	---	1917
MEAN	5.87	5.17	6.35	8.64	22.5	154	231	173	101	38.0	15.2	9.63	67.5	MEAN

LOCATION - LAT 52 05 36 N DRAINAGE AREA, 2 580 km²
LONG 116 25 10 W NATURAL FLOW

NORTH SASKATCHEWAN RIVER AT WILSON'S RANCH - STATION NO. 05DA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1916	---	501 ON JUN 19 *	3.88B ON FEB 13 *	2 140 000	1916
1917	---	317 ON JUL 17	---	---	1917
				2 140 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.181	0.217	---	55.6	---	1972
1973	54.4	47.7	43.5	37.1	71.4	58.4	53.2	44.7	47.0	77.8	40.2	58.9	57.8	1973
1974	61.8	57.7	60.9	71.0	77.0	57.0	49.9	58.5	57.8	91.5	73.4	77.9	76.0	1974
1975	76.5	88.1	66.8	77.8	73.5	72.5	74.8	36.8	48.4	58.5	67.4	62.8	69.5	1975
1976	62.4	63.9	73.4	68.3	68.5	71.7	71.9	71.6	87.7	84.1	105	86.2	78.2	1976
1977	80.0	67.4	70.3	69.2	47.9	62.5	61.4	57.9	61.4	62.6	61.0	68.5	65.0	1977
1978	63.9	61.4	77.3	63.2	61.6	66.7	66.2	68.7	53.0	60.1	93.7	85.6	75.9	1978
1979	71.1	104	100	83.6	47.7	68.3	77.7	72.7	63.1	68.6	87.6	83.2	74.4	1979
1980	80.2	63.6	66.9	73.0	76.9	132	99.6	67.5	72.0	66.2	69.1	63.4	78.1	1980
1981	72.2	28.6	41.6	72.1	146	87.6	36.9	130	111	87.3	94.3	98.3	84.4	1981
1982	66.6	66.3	60.1	61.9	66.6	94.9	111	61.6	71.3	66.7	66.9	71.2	72.3	1982
1983	73.7	62.6	79.9	110	107	72.7	76.9	66.7	66.9	72.9	76.3	74.6	71.3	1983
1984	67.2	66.0	73.9	66.2	62.3	36.9	62.7	69.2	61.0	73.6	91.7	74.3	70.0	1984
MEAN	71.9	70.4	73.1	74.2	74.4	81.1	66.9	66.0	67.9	66.6	76.2	70.6	72.9	MEAN

LOCATION - LAT 52 16 36 N, LONG 116 19 21 W
DRAINAGE AREA, 3 690 km²
REGULATED SINCE 1972
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

NORTH SASKATCHEWAN RIVER BELOW BIGHORN PLANT - STATION NO. 05DC010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	188 AT 15:00 MST ON JUL 3	118 ON JUL 5	0.224 ON JUN 10 *	1 820 000	1973
1974	188 AT 18:45 MST ON JAN 26	161 ON JUL 4	26.3 ON JUL 14	2 400 000	1974
1975	---	132 ON JAN 7	27.7 ON AUG 5	2 180 000	1975
1976	---	131 ON SEP 13	36.7 ON JUL 10	2 500 000	1976
1977	174 AT 08:40 MST ON JAN 7 *	149 ON JUN 23	16.1 ON MAY 25	2 050 000	1977
1978	169 AT 23:00 MST ON JAN 30	163 ON JUL 8	23.2 ON JUN 14	2 420 000	1978
1979	---	130 ON APR 21	7.85 ON MAY 31	2 350 000	1979
1980	---	171 ON JUN 26 *	11.0 ON NOV 4	2 470 000	1980
1981	159 AT 16:30 MDT ON JUL 23	155 ON MAY 2	0.328 ON MAR 10	2 660 000	1981
1982	167 AT 12:45 MST ON JUL 17	165 ON JUN 26	14.3 ON AUG 17	2 280 000	1982
1983	173 AT 11:00 MST ON AUG 2	162 ON APR 25	0.811 ON JUN 26	2 250 000	1983
1984	---	145 ON AUG 18	0.855 ON MAY 21	2 220 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 300 000	MEAN

NORTH SASKATCHEWAN RIVER BELOW TERSHISHNER CREEK - STATION NO. 05DC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1953	---	---	---	---	---	---	---	---	---	---	---	15.3	---	1953
1954	12.1	11.6	11.1	11.7	63.0	169	300	217	126	44.7	27.1	21.8	107	1954
1955	17.7	13.7	12.5	15.1	34.5	198	265	160	89.7	30.8	---	---	122	1955
1956	---	---	---	17.8	107	233	260	197	86.1	37.6	---	---	164	1956
1959	---	---	---	---	67.5	220	263	143	86.3	38.1	---	---	135	1959
1960	---	---	---	---	34.6	148	265	172	80.8	36.0	---	---	128	1960
1961	---	---	---	---	107	307	230	225	82.9	63.4	---	---	167	1961
1962	---	---	---	---	67.7	187	230	182	82.8	38.6	---	---	133	1962
1963	---	---	---	17.3	66.5	223	263	216	152	69.6	---	---	162	1963
1964	---	---	---	---	36.2	261	263	149	84.4	66.6	---	---	147	1964
1965	---	---	---	---	84.2	241	336	270	76.6	47.1	---	---	171	1965
1966	---	---	---	---	101	160	265	221	126	66.3	---	---	162	1966
1967	---	---	---	---	66.6	301	276	227	159	65.9	---	---	176	1967
1968	---	---	---	13.0	62.2	212	263	176	106	36.9	---	---	146	1968
MEAN	14.9	12.7	11.6	15.0	64.6	222	274	197	106	46.1	27.1	18.6	152	MEAN

LOCATION - LAT 52 15 00 N, LONG 116 19 00 W
DRAINAGE AREA, 3 690 km²
NATURAL FLOW
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

NORTH SASKATCHEWAN RIVER BELOW TERSHISHNER CREEK - STATION NO. 05DC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1953	---	---	---	---	1953
1954	426 AT 08:30 MST ON JUL 8	418 ON JUL 8	11.3B ON MAY 1 *	2 490 000	1954
1955	481 AT 15:00 MST ON JUL 18	484 ON JUL 18	12.5 ON MAY 1	2 100 000	1955
1956	402 AT 14:00 MST ON JUN 5	386 ON JUN 5	16.8 ON MAY 3	2 440 000	1956
1959	408 AT 10:00 MST ON JUL 25	394 ON JUL 25	15.3 ON MAY 1	2 140 000	1959
1960	378 AT 10:00 MST ON JUL 8	385 ON JUL 8	15.3 ON MAY 1	2 010 000	1960
1961	467 AT 20:00 MST ON JUN 7	456 ON JUN 7	13.2 ON MAY 1	2 680 000	1961
1962	426 AT 20:00 MST ON JUN 28	398 ON JUN 28	16.2 ON MAY 6	2 120 000	1962
1963	493 AT 01:00 MST ON JUN 20	416 ON JUL 8	22.8 ON MAY 9	2 570 000	1963
1964	478 AT 03:00 MST ON JUL 10	447 ON JUL 8	16.7 ON MAY 1	2 340 000	1964
1965	566 AT 02:00 MST ON JUL 8 *	535 ON JUL 8 *	20.8 ON MAY 7	2 710 000	1965
1966	408 AT 02:00 MST ON JUL 4	378 ON JUL 4	14.4 ON MAY 1	2 680 000	1966
1967	426 AT 04:00 MST ON JUN 26	406 ON JUN 17	13.6 ON MAY 1	2 630 000	1967
1968	481 AT 16:30 MST ON JUN 27	484 ON JUN 27	19.8 ON MAY 3	2 320 000	1968
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 410 000	MEAN

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DE005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	488	705R	451	215	108	---	---	---	1969
1970	---	---	---	---	---	544	481	272	124	87.2	---	---	---	1970
1971	---	---	---	---	204	613	474	386	143	74.1	---	---	---	1971
1972	---	---	---	---	206	674	593	250	141	180	---	---	---	1972
1973	---	---	---	---	361	300	243	185	140	153	---	---	---	1973
1974	---	---	---	---	358	397	273	188	205	185	---	---	---	1974
1975	---	---	---	---	201	186	179	128	108	81.4	---	---	---	1975
1976	---	---	---	---	182	203	189	239	216	181	---	---	---	1976
1977	---	---	---	---	284	338	225	259	226	188	---	---	---	1977
MEAN	---	---	---	---	258	436	369R	252	169	127	---	---	---	MEAN

LOCATION - LAT 53 03 05 N LONG 115 12 33 W
DRAINAGE AREA, 20 500 km^2
REGULATED SINCE 1980

R - REVISED SINCE JAN 1980

NORTH SASKATCHEWAN RIVER NEAR LODGEPOLE - STATION NO. 05DE005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	1 930 AT 15:00 MST ON JUL 6	1 720 ON JUL 6	---	---	1969
1970	1 720 AT 14:58 MST ON JUN 17	1 570 ON JUN 17	---	---	1970
1971	1 350 AT 20:00 MST ON JUN 9	1 150 ON JUN 10	---	---	1971
1972	3 570 AT 18:00 MST ON JUN 28 *	3 200 ON JUN 28 *	---	---	1972
1973	612 AT 14:30 MST ON MAY 28	515 ON MAY 28	---	---	1973
1974	1 040 AT 08:40 MST ON JUN 18	788 ON JUN 18	---	---	1974
1975	388 AT 20:00 MST ON JUN 8	---	---	---	1975
1976	484 AT 19:20 MST ON AUG 18	378 ON AUG 18	---	---	1976
1977	787 AT 13:50 MST ON MAY 30	714 ON MAY 30	---	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	348	381	384	210	87.7	53.8	46.1	---	1913
1914	24.0	20.6	24.4	31.6	118	308	388	283	135	90.3	49.6	26.1	121	1914
1915	23.6	21.3	19.3	41.2	186	648	639	475	197	104	56.5	38.7	204	1915
1916	28.6	22.8	21.3	58.1	125	488	488	388	251	138	88.7	44.7	173	1916
1917	36.1	26.8	27.8	83.7	250	351	389	278	187	112	65.2	37.6	183	1917
1918	28.0	23.8	22.0	87.6	108	388	324	271	171	88.5	60.8	33.0	130	1918
1919	27.2	20.0	21.4	38.2	116	302	275	312	198	88.3	44.1	28.2	111	1919
1920	28.5	23.2	19.8	33.1	226	262	638	325	143	70.0	40.7	32.0	148	1920
1921	26.1	20.8	20.9	44.3	182	305	302	248	79.1	86.8	37.3	21.8	113	1921
1922	20.8	18.1	18.5	22.8	134	333	331	387	180	87.4	46.3	23.8	133	1922
1923	21.1	17.1	18.9	43.8	111	882	487	382	218	83.5	57.7	60.8	178	1923
1924	24.2	22.0	24.0	84.5	218	290	380	342	181	73.4	45.8	33.8	140	1924
1925	18.0	16.8	19.2	84.4	186	348	380	457	287	147	84.4	42.7	189	1925
1926	30.7	25.3	28.1	88.7	110	221	272	276	440	183	82.3	38.2	188	1926
1927	27.6	[illegible]3	27.0	73.8	109	406	473	359	198	102	45.7	28.8	184	1927
1928	36.6	2[illegible].1	42.8	87.8	183	807	530	276	162	83.1	30.4	20.8	187	1928
1929	20.1	18.7	28.0	38.1	137	333	221	262	138	89.6	28.4	20.6	108	1929
1930	18.5	22.8	24.7	85.6	128	363	384	286	183	78.2	42.6	38.8	134	1930
1931	23.6	21.8	21.0	38.7	138	337	410	---	---	---	---	---	---	1931
1944	---	---	21.1	51.3	170	470	380	381	223	119	---	---	---	1944
1945	---	---	23.4	42.8	172	280	319	281	178	128	---	---	---	1945
1946	---	---	28.8	58.5	166	389	328	234	166	83.8	---	---	---	1946
1947	---	---	25.2	80.7	176	378	403	236	163	104	---	---	---	1947
1948	---	---	25.6	84.0	414	506	338	333	140	74.5	---	---	---	1948
1949	---	---	23.3	46.3	116	172	238	207	110	82.8	---	---	---	1949
1950	---	---	19.5	58.8	80.8	405	403	232	140	88.4	---	---	---	1950
1951	---	---	17.4	80.0	213	303	482	241	161	101	---	---	---	1951
1952	---	---	37.4	128	127	480	417	330	149	81.4	---	---	---	1952
1953	---	---	20.5	47.2	188	487	421	295	184	73.1	52.2	27.0	---	1953
1954	20.0	20.0	25.8	80.8	210	448	430	411	241	117	70.8	58.2	185	1954
1955	28.7	32.4	27.7	82.8	138	382	388	213	138	88.1	33.2	24.1	127	1955
1956	22.8	19.3	21.8	47.1	147	283	327	283	127	61.1	37.8	27.6	116	1956
1957	20.6	17.4	19.6	82.8	245	272	230	208	163	87.2	47.0	33.0	118	1957
1958	35.3	30.3	28.8	88.1	285	404	418	291	185	72.1	34.8	32.9	184	1958
1959	30.6	28.1	25.8	43.6	113	402	383	213	134	78.2	85.3	38.9	130	1959
1960	24.6	28.3	33.2	48.0	109	287	408	251	118	88.8	36.6	28.2	117	1960
1961	24.7	21.9	26.1	30.2	172	383	282	302	122	82.5	37.4	34.0	126	1961
1962	26.1	24.1	19.4	43.8	122	281	330	283	151	70.8	46.6	28.0	116	1962
1963	22.6	22.4	31.7	88.1	130	348	421	308	197	88.6	37.7	28.8	146	1963
1964	29.1	26.3	21.6	36.9	171	470	416	208	180	112	87.8	24.8	146	1964
1965	24.8	26.7	30.3	68.4	132	890	801	398	238	138	76.1	82.3	197	1965
1966	42.6	33.3	32.1	62.1	186	371	447	340	192	108	66.6	42.2	148	1966
1967	36.1	26.9	27.1	87.0	128	483	383	278	168	78.6	36.1	26.6	142	1967
1968	26.7	27.4	34.0	34.3	110	298	393	265	162	81.3	46.6	34.0	126	1968
1969	32.6	28.4	26.7	69.6	201	372	389	278	137	78.9	61.0	35.7	143	1969
1970	26.6	27.6	24.6	37.6	118	414	323	223	100	88.2	36.2	23.1	117	1970
1971	17.0	20.7	19.6	82.6	188	388	286	278	118	87.6	36.6	18.3	118	1971
1972	21.1	18.3	18.4	28.2	132	866	386	132	88.3	48.6	31.4	84.6	123	1972
1973	---	---	---	---	182	184	182	97.2	133	108	---	---	---	1973
1974	---	---	---	---	208	248	182	110	136	128	---	---	---	1974
1975	---	---	---	---	118	128	132	77.3	71.2	78.8	---	---	---	1975
1976	---	---	---	---	107	118	130	144	133	118	---	---	---	1976
1977	---	---	---	---	148	182	118	121	114	88.8	---	---	---	1977
1978	---	---	---	---	137	261	214	130	136	128	---	---	---	1978
1979	---	---	---	---	118	182	133	118	93.7	88.0	---	---	---	1979
1980	---	---	---	---	141	328	191	131	124	88.1	---	---	---	1980
1981	---	---	---	---	280	170	278	288	174	128	---	---	---	1981
1982	---	---	---	---	121	209	288	81.4	118	110	---	---	---	1982
1983	---	---	---	138	171	182	122	98.2	88.4	87.1	82.7	---	---	1983
1984	---	---	---	122	88.0	139	122	124	88.7	---	---	---	---	1984
MEAN	28.3	24.1	26.0	58.5	188	342	341	290	180	88.8	48.8	32.8	141	MEAN

LOCATION - LAT 52 22 51 N DRAINAGE AREA, 11 000 km²
LONG 114 56 21 W REGULATED SINCE 1972

NORTH SASKATCHEWAN RIVER NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	848 ON AUG 13 610 ON JUN 7	---	---	1914
			18.4 B ON FEB 11	3 810 000	
1915	4 110E ON JUN 27 *	3 880E ON JUN 27 *	17.8 B ON MAR 14	8 420 000	1915
1916	---	1 080 ON JUN 20	20.4 B ON JAN 28	5 470 000	1916
1917	---	581 ON JUN 3	17.0 B ON DEC 13	4 830 000	1917
1918	---	752 ON JUN 15	19.5 B ON DEC 21	4 090 000	1918
1919	---	447 ON JUN 23	17.8 B ON MAR 6	3 500 000	1919
1920	---	814 ON JUL 3	15.6 B ON MAR 15	4 570 000	1920
1921	---	479 ON JUN 26	11.4 B ON DEC 21	3 580 000	1921
1922	---	584 ON AUG 17	14.7 B ON MAR 29	4 180 000	1922
1923	1 270 ON JUN 14	1 280 ON JUN 14	12.7 B ON FEB 14	5 850 000	1923
1924	---	874 ON JUL 4	12.6 B ON DEC 17	4 440 000	1924
1925	---	1 030 ON AUG 17	17.0 B ON FEB 24	5 240 000	1925
1926	---	878 ON SEP 2	27.2 B ON JAN 19	4 980 000	1926
1927	---	784 ON JUN 27	25.3 B ON JAN 28	4 980 000	1927
1928	---	900 ON JUN 23	20.0 B ON DEC 5	5 290 000	1928
1929	---	850 ON JUN 3	15.3 B ON APR 10	3 400 000	1929
1930	---	575 ON JUL 15	18.3 B ON JAN 21	4 240 000	1930
1931	---	882 ON JUN 19	---	---	1331
1944	871 ON JUN 15	937 ON JUN 15	---	---	1944
1945	---	447 ON MAY 21	---	---	1945
1946	---	715 ON MAY 20	---	---	1946
1947	---	880 ON JUN 11	---	---	1947
1948	---	1 170 ON MAY 24	---	---	1948
1949	---	408 ON JUL 17	---	---	1949
1950	---	1 030 ON JUN 15	---	---	1950
1951	---	800 ON JUN 18	---	---	1951
1952	1 890 AT 22:00 MST ON JUN 23	1 800 ON JUN 24	---	---	1952
1953	742 AT 23:00 MST ON JUL 18	711 ON JUN 14	---	---	1953
1954	1 280 AT 20:00 MST ON AUG 25	1 080 ON AUG 26	15.5 B ON APR 2	5 830 000	1954
1955	588 AT 20:00 MST ON JUL 18	583 ON JUL 19	20.8 B ON MAR 24	4 000 000	1955
1956	484 AT 05:00 MST ON JUN 6	439 ON JUN 6	18.3 B ON FEB 23	3 880 000	1956
1957	422 AT 12:00 MST ON JUN 9	418 ON JUN 9	13.2 B ON APR 11	3 870 000	1957
1958	---	714 ON JUN 28	21.8 B ON NOV 27	4 870 000	1958
1959	778 AT 12:00 MST ON JUN 27	718 ON JUN 27	18.4 B ON MAR 16	4 080 000	1959
1960	808 AT 01:00 MST ON JUL 2	558 ON JUL 2	12.2 B ON DEC 17	3 880 000	1960
1961	588 AT 08:30 MST ON JUN 6	541 ON JUN 6	13.5 B ON JAN 30	4 040 000	1961
1962	504 AT 03:00 MST ON AUG 6	473 ON AUG 6	15.8 B ON DEC 25	3 710 000	1962
1963	680 AT 04:00 MST ON JUL 18	648 ON JUL 18	15.0 B ON JAN 1	4 580 000	1963
1964	780 AT 08:00 MST ON JUN 19	776 ON JUN 19	19.2 B ON DEC 18	4 870 000	1964
1965	1 480 AT 19:30 MST ON JUN 18	1 080 ON JUN 18	15.0 B ON MAR 28	5 230 000	1965
1966	835 AT 08:00 MST ON JUL 4	733 ON JUL 4	25.6 B ON DEC 1	4 890 000	1966
1967	828 AT 12:00 MST ON JUN 18	817 ON JUN 18	18.6 B ON NOV 27	4 480 000	1967
1968	558 AT 05:50 MST ON JUN 28	547 ON JUL 11	24.3 B ON FEB 18	3 880 000	1968
1969	983 AT 10:08 MST ON JUL 6	908 ON JUL 6	23.8 B ON FEB 18	4 500 000	1969
1970	1 290 AT 11:50 MST ON JUN 17	1 120 ON JUN 17	7.678 ON NOV 23 *	3 880 000	1970
1971	---	736A ON JUN 6	11.8 B ON DEC 11	3 780 000	1971
1972	1 880 AT 22:00 MST ON JUN 25	1 470 ON JUN 25	17.2 B ON MAR 5	3 870 000	1972
1973	348 AT 13:00 MST ON MAY 28	311 ON MAY 18	---	---	1973
1974	351 AT 18:30 MST ON JUN 28	340 ON JUN 28	---	---	1974
1975	191 AT 11:00 MST ON JUL 18	170 ON JUL 14	---	---	1975
1976	212 AT 08:30 MST ON AUG 11	198 ON AUG 10	---	---	1976
1977	344 AT 08:30 MST ON MAY 30	228 ON MAY 30	---	---	1977
1978	323 AT 04:30 MST ON JUL 12	282 ON JUN 17	---	---	1978
1979	214 AT 11:00 MST ON MAY 27	202 ON JUN 5	---	---	1979
1980	878 AT 09:00 MST ON JUN 5	575 ON JUN 5	---	---	1980
1981	833 AT 07:48 MST ON JUL 25	808 ON JUL 25	---	---	1981
1982	584 AT 08:30 MST ON JUL 8	548 ON JUL 8	---	---	1982
1983	280 AT 02:48 MST ON APR 28	240 ON APR 28	---	---	1983
1984	241 AT 07:30 MST ON OCT 5	208 ON JUL 20	---	---	1984
				4 460 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSE CREEK AT CALGARY - STATION NO. 05BH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	0.584	0.859	0.248	0.408	0.278	0.210	---	---	---	1911
1912	---	---	---	0.846	1.05	0.484	1.27	0.782	1.58	0.810	---	---	---	1912
1913	---	---	---	---	1.89	1.25	1.09	0.519	0.425	0.307	---	---	---	1913
1914	---	---	---	---	---	0.436	0.219	0.128	0.157	0.293	---	---	---	1914
1915	---	---	---	0.335	0.949	3.95	8.84	8.78	3.88	3.08	---	---	---	1915
1916	---	---	---	2.63	3.56	5.38	8.02	5.18	5.86	3.60	---	---	---	1916
1917	---	---	---	---	5.14	4.58	1.28	0.945	1.01	0.898	---	---	---	1917
1918	---	---	---	1.53	0.550	0.449	0.227	0.184	0.173	0.189	---	---	---	1918
1919	---	---	---	1.03	0.745	0.141	0.082	0.524	0.133	0.138	---	---	---	1919
1972	---	---	---	---	---	---	---	0.075	0.075	0.102	---	---	---	1972
1973	---	---	2.42	0.880	0.277	0.200	0.088	0.034	0.088	0.088	---	---	0.611	1973
1974	---	---	0.223	3.82	2.25	0.310	0.088	0.050	0.085	0.100	---	---	0.857	1974
1975	---	---	0.026	0.728	0.309	0.118	0.021	0.023	0.035	0.042	---	---	0.182	1975
1976	---	---	0.329	0.208	0.058	0.043	0.019	0.081	0.015	0.023	---	---	0.094	1976
1977	---	---	0.101	0.084	0.077	0.032	0.021	0.018	0.072	0.040	---	---	0.058	1977
1978	---	---	2.35	0.580	0.173	0.186	0.038	0.177	0.121	0.043	---	---	0.458	1978
1979	---	---	0.482	0.284	0.189	0.072	0.018	0.021	0.008	0.013	---	---	0.133	1979
1980	---	---	0.454	1.18	0.311	0.412	0.164	0.088	0.083	0.047	---	---	0.334	1980
1981	---	---	0.168	0.078	0.481	0.219	0.284	0.100	0.083	0.054	---	---	0.178	1981
1982	---	---	0.312	1.10	0.278	0.284	0.304	0.038	0.055	0.034	---	---	0.294	1982
1983	---	---	0.094	0.359	0.218	0.084	0.148	0.031	0.014	0.021	---	---	0.121	1983
1984	---	---	0.181	0.166	0.089	0.148	0.017	0.011	0.141	0.044	---	---	0.087	1984
MEAN	---	---	0.587	0.827	0.943	0.932	0.374	0.889	0.854	0.485	---	---	0.278	MEAN

LOCATION - LAT 51 07 30 N DRAINAGE AREA, 883 km²
LONG 114 02 45 W NATURAL FLOW

ROSE CREEK AT CALGARY - STATION NO. 05BH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	---	---	---	1914
1915	---	---	---	---	1915
1916	---	32.6 ON MAY 31 *	---	---	1916
1917	---	26.6 ON MAY 18	---	---	1917
1918	---	---	---	---	1918
1919	---	---	---	---	1919
1972	---	---	---	---	1972
1973	---	8.10 B ON MAR 22	0 ON AUG 21 *	10 800	1973
1974	---	9.32 B ON APR 10	0 B ON MAR 9	18 100	1974
1975	5.21 B AT 11:30 MST ON APR 13	3.31 B ON APR 13	0 ON JUL 15	3 430	1975
1976	3.00 B AT 07:45 MST ON MAR 19	1.65 B ON MAR 19	0 ON JUL 1	1 990	1976
1977	0.4878 AT 18:00 MST ON APR 5	0.1938 ON MAR 14	0 ON JUL 26	1 180	1977
1978	12.0 AT 01:00 MST ON MAR 27 *	10.2 ON MAR 27	0 B ON MAR 1	9 700	1978
1979	3.23 B AT 23:00 MST ON MAR 7	2.26 B ON MAR 8	0 B ON MAR 1	2 810	1979
1980	5.28 AT 22:00 MST ON MAY 25	4.05 B ON APR 5	0 B ON MAR 1	7 080	1980
1981	6.23 AT 20:30 MST ON JUL 14	2.05 ON MAY 7	0.010 ON SEP 18	3 770	1981
1982	6.47 B AT 08:05 MST ON APR 12	5.57 B ON APR 12	0 B ON MAR 1	6 230	1982
1983	3.79 AT 21:57 MST ON APR 24	1.85 ON APR 25	0.0018 ON MAR 8	2 850	1983
1984	---	0.4858 ON MAR 25	0.001 ON JUL 3	2 040	1984
				5 810	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSE CREEK NEAR THE MOUTH - STATION NO. 05BH901

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0.442	0.200	0.227	0.203	---	---	---	1980
1981	---	---	---	0.178	1.34	0.848	1.18	0.280	0.283	0.234	---	---	0.851	1981
1982	---	---	---	---	0.700	0.811	0.776	0.311	0.486	0.181	---	---	0.509	1982
1983	---	---	---	---	0.278	---	---	---	---	---	---	---	---	1983
1984	---	---	---	---	---	0.720	0.152	0.140	0.780	0.178	---	---	---	1984
MEAN	---	---	---	0.178	0.773	0.859	0.633	0.223	0.424	0.201	---	---	0.580	MEAN

LOCATION - LAT 51 03 00 N DRAINAGE AREA, 886 km²
LONG 114 01 00 W NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ROSE CREEK NEAR THE MOUTH - STATION NO. 05BH901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	---	---	1980
1981	18.7 AT 20:30 MST ON JUL 14	7.08 ON MAY 7 *	0.070 ON AUG 25 *	10 400	1981
1982	20.6 AT 01:40 MST ON JUN 30 *	5.10 ON JUN 30	0.120 ON SEP 25	8 090	1982
1983	---	---	---	---	1983
1984	14.8 AT 03:20 MST ON MAY 27	5.02 ON JUN 8	---	---	1984
				9 250	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	51.9	30.8	11.1	0.748	0.052	0.308	0.255	0.151	---	1981
1982	0.090	0.055	0.123	18.1	84.8	34.1	36.8	35.8	14.4	5.44	4.83	0.676	18.2	1982
1983	0.311	0.754	0.927	71.6	121	10.8	53.3	22.4	6.84	2.41	0.543	0.612	24.4	1983
1984	0.258	0.281	0.258	11.1	148	17.6	26.2	74.1	8.28	4.88	2.44	0.869	24.8	1984
1985	0.188	0.178	0.236	88.5	43.2	18.0	3.77	0.834	1.82	2.88	1.90	0.310	11.0	1985
1986	0.016	0.013	0.103	7.98	34.3	3.48	11.8	3.03	3.00	1.30	0.418	0.107	5.61	1986
1987	0.071	0.080	0.043	0.535	102	14.8	2.52	2.61	0.435	1.84	0.517	0.182	10.7	1987
1988	0.104	0.148	0.586	8.92	47.1	21.2	20.8	20.3	5.50	5.00	3.08	0.573	11.2	1988
1989	0.144	0.038	0.057	84.7	73.0	---	---	1.08	15.9	12.4	3.03	0.884	---	1989
1970	0.077	0.008	0.026	13.4	31.8	15.3	28.0	4.62	1.21	2.08	0.374	0.002	8.22	1970
1971	0.028	0.008	0.086	27.8	28.7	81.8	36.7	10.8	3.81	3.50	1.37	0.713	13.5	1971
1972	0.180	0.181	0.184	5.78	140	14.0	73.4	24.5	3.74	5.05	2.47	1.01	23.3	1972
1973	0.840	0.321	0.462	37.8	82.0	73.5	30.2	19.0	13.2	7.42	2.80	1.01	22.4	1973
1974	0.880	0.333	0.305	82.9	143	18.5	15.8	18.8	14.0	11.9	2.81	0.735	24.4	1974
1975	0.248	0.167	0.188	9.82	38.8	21.4	14.4	1.70	5.81	1.37	0.843	0.208	7.83	1975
1976	0.201	0.178	0.108	18.4	23.8	36.4	31.8	47.7	11.1	4.83	1.80	0.407	14.8	1976
1977	0.468	0.832	0.384	20.0	40.0	111	18.4	8.26	8.01	10.3	1.96	0.487	18.5	1977
1978	0.278	0.165	0.112	11.1	101	15.4	2.81	1.96	12.8	5.81	1.33	0.536	13.0	1978
1979	0.226	0.180	0.182	3.22	85.8	78.9	39.0	8.85	8.22	2.80	0.833	0.138	19.2	1979
1980	0.007	0.001	0.038	4.04	4.74	7.72	10.8	7.58	13.0	8.85	3.88	0.242	5.05	1980
1981	0.028	0.122	0.401	18.9	83.3	15.9	5.73	1.30	0.284	0.829	0.588	0.316	8.87	1981
1982	0.082	0.028	0.030	4.83	88.9	5.17	0.815	11.4	2.77	2.15	0.518	0.387	7.87	1982
1983	0.184	0.100	0.101	21.0	25.3	38.2	43.2	10.5	4.80	3.44	1.11	0.148	12.5	1983
1984	0.028	0.008	0.117	10.2	87.5	32.1	84.2	7.49	10.3	4.85	1.85	0.570	15.0	1984
MEAN	0.191	0.189	0.220	21.9	87.8	29.9	24.5	14.8	5.94	4.85	1.74	0.449	14.8	MEAN

LOCATION - LAT 55 58 10 N DRAINAGE AREA, 4 880 km²
LONG 117 37 05 W NATURAL FLOW

NOTIKEWIN RIVER AT MANNING - STATION NO. 07HC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	114 ON MAY 20	0 ON SEP 23 *	---	1981
1982	---	123 ON MAY 22	0 B ON FEB 27	578 000	1982
1983	---	433 ON JUL 26	0.0235 ON JAN 22	770 000	1983
1984	---	804 ON MAY 23 *	0.1388 ON JAN 23	784 000	1984
1985	---	263 ON APR 28	0.0678 ON DEC 31	348 000	1985
1986	---	106 ON MAY 12	0.0088 ON JAN 30	174 000	1986
1987	219 AT 09:00 MST ON MAY 8	217 ON MAY 14	0.0088 ON JAN 8	337 000	1987
1988	87.4 AT 06:00 MST ON JUL 31	85.1 ON JUL 31	0.0458 ON JAN 12	353 000	1988
1989	334 AT 14:40 MST ON MAY 1	317 ON MAY 1	0.0238 ON FEB 20	---	1989
1970	187 AT 02:00 MST ON JUL 2	174 ON JUL 2	0 B ON DEC 1	258 000	1970
1971	---	217 ON JUN 26	0.0038 ON JAN 30	424 000	1971
1972	487 AT 13:30 MST ON JUL 12 *	459 ON JUL 13	0.0788 ON JAN 28	736 000	1972
1973	233 AT 11:00 MST ON JUN 18	217 ON JUN 19	0.2278 ON FEB 25	707 000	1973
1974	317 AT 10:00 MST ON APR 27	306 ON MAY 9	0.2278 ON MAR 14	789 000	1974
1975	90.9 AT 05:00 MST ON JUN 30	85.0 ON JUN 30	0.1428 ON DEC 15	250 000	1975
1976	186 AT 15:00 MST ON AUG 19	179 ON AUG 19	0.0858 ON MAR 3	467 000	1976
1977	494 AT 03:00 MST ON JUN 5	422 ON JUN 4	0.2838 ON MAR 21	585 000	1977
1978	419 AT 12:30 MST ON MAY 24	406 ON MAY 24	0.0988 ON MAR 8	411 000	1978
1979	197 AT 22:00 MST ON JUN 1	180 ON JUN 1	0.0308 ON DEC 20	608 000	1979
1980	34.0 AT 16:00 MST ON SEP 28	33.4 ON SEP 28	0 B ON FEB 13	180 000	1980
1981	175 AT 12:00 MST ON MAY 3	172 ON MAY 3	0.0088 ON FEB 11	280 000	1981
1982	116 AT 18:00 MST ON MAY 14	113 ON MAY 15	0.0258 ON JAN 23	252 000	1982
1983	175 AT 15:00 MST ON JUN 21	175 A ON JUN 21	0.0778 ON DEC 31	384 000	1983
1984	239 AT 05:00 MST ON MAY 23	230 ON MAY 23	0.0018 ON MAR 4	478 000	1984
				480 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN CREEK NEAR HINTON - STATION NO. 07AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.071	0.072	0.063	0.191	---	---	---	1972
1973	---	---	---	---	0.542	0.223	0.075	0.084	0.045	---	---	---	---	1973
1974	---	---	---	0.109	0.545	0.083	0.080	0.080	---	---	---	---	---	1974
MEAN	---	---	---	0.109	0.544	0.143	0.075	0.082	0.084	0.191	---	---	---	MEAN

LOCATION - LAT 53 32 00 N DRAINAGE AREA, 16.1 km²
LONG 117 41 00 W NATURAL FLOW

OLDMAN CREEK NEAR HINTON - STATION NO. 07AD008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	3.20 AT 20:30 MST ON JUN 24 *	1.88 ON MAY 14 *	---	---	1973
1974	1.88 AT 21:00 MST ON MAY 8	1.18 ON MAY 7	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

OLDMAN RIVER AT THE GAP - STATION NO. 05AA021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	---	---	12.7	7.13	3.88	3.12	2.84	---	---	---	1944
1945	---	---	---	---	29.9	78.8	---	---	---	---	---	---	---	1945
1946	---	---	---	---	30.4	45.8	17.0	8.86	8.48	8.83	---	---	---	1946
1947	---	---	---	---	60.8	35.3	12.9	8.39	8.03	8.47	---	---	---	1947
1948	---	---	---	---	73.9	74.8	18.8	10.3	8.45	4.80	---	---	---	1948
1949	---	---	---	---	25.8	22.7	8.82	4.42	4.42	---	---	---	---	1949
MEAN	---	---	---	---	42.1	45.2	12.8	8.89	8.10	8.88	---	---	---	MEAN

LOCATION - LAT 49 52 06 N DRAINAGE AREA, 1 200 km²
LONG 114 21 35 W NATURAL FLOW

OLDMAN RIVER AT THE GAP - STATION NO. 05AA021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1944	---	21.9 ON MAY 20	---	---	1944
1945	---	---	---	---	1945
1946	---	86.8 ON MAY 28	---	---	1946
1947	---	102 ON MAY 10	---	---	1947
1948	---	288 ON MAY 23 *	---	---	1948
1949	---	81.5 ON MAY 22	---	---	1949
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	41.8	129	141	52.7	22.2	14.3	11.7	8.84	8.11	---	1966
1967	7.85	8.34	12.4	16.8	210	305	75.0	20.7	10.8	9.74	10.8	8.03	57.8	1967
1968	8.61	8.62	11.8	15.8	102	133	50.4	22.7	26.6	31.6	18.8	12.6	38.8	1968
1969	12.8	11.2	14.4	73.2	131	187	83.3	19.3	13.1	12.4	11.4	7.17	48.4	1969
1970	8.10	8.84	7.06	11.8	128	149	26.8	13.7	10.9	10.1	8.21	8.73	32.7	1970
1971	8.14	11.2	8.11	31.0	171	158	81.8	18.3	13.2	13.2	8.98	8.02	41.7	1971
1972	8.85	8.48	35.8	48.4	242	256	88.1	42.3	26.8	22.8	12.7	7.48	88.1	1972
1973	11.2	18.1	11.7	18.3	84.4	92.8	29.8	13.8	10.8	8.18	7.72	7.06	28.8	1973
1974	8.73	8.47	14.8	48.2	187	245	71.8	30.9	17.3	11.4	10.1	7.87	83.8	1974
1975	8.82	8.08	7.08	21.8	128	278	88.0	32.8	18.1	18.1	18.8	20.8	84.8	1975
1976	11.2	11.2	13.3	38.7	142	78.8	48.8	80.8	28.1	18.0	10.2	7.47	41.8	1976
1977	8.78	7.24	8.20	21.2	44.8	34.8	12.8	13.4	18.4	11.8	7.88	7.83	18.7	1977
1978	8.18	8.18	27.8	30.8	138	142	80.7	28.7	20.8	18.4	8.72	8.88	43.0	1978
1979	8.87	8.83	18.3	28.4	131	101	30.3	18.3	10.3	8.07	4.48	7.82	30.4	1979
1980	4.23	8.88	8.77	47.8	124	103	28.8	18.7	17.2	14.3	12.2	18.4	33.1	1980
1981	14.8	13.1	12.8	33.0	214	187	88.7	28.8	13.7	11.8	8.05	7.12	48.7	1981
1982	3.83	8.18	7.48	18.7	88.3	134	81.2	18.4	11.8	13.1	8.01	7.88	30.8	1982
1983	8.88	8.18	8.41	23.8	84.8	78.4	40.7	14.8	8.84	7.81	8.88	8.82	24.8	1983
1984	8.78	7.48	8.28	18.4	80.8	83.2	28.8	12.2	8.24	10.8	8.38	8.41	30.8	1984
MEAN	7.78	8.28	12.8	30.7	133	148	84.8	24.8	18.8	13.8	10.4	8.72	38.1	MEAN

LOCATION - LAT 48 33 27 N DRAINAGE AREA, 4 400 km²
LONG 113 48 30 W NATURAL FLOW

OLDMAN RIVER NEAR BROCKET - STATION NO. 05AA024

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	263 AT 07:30 MST ON JUN 8	252 ON JUN 8	---	---	1966
1967	738 AT 22:00 MST ON MAY 30	634 ON MAY 31	8.688 ON DEC 18	1 830 000	1967
1968	357 AT 13:00 MST ON MAY 23	297 ON MAY 23	8.078 ON JAN 27	1 180 000	1968
1969	838 AT 14:30 MST ON JUN 28	487 ON JUN 28	8.388 ON DEC 28	1 480 000	1969
1970	402 AT 01:48 MST ON JUN 14	381 ON JUN 14	4.588 ON JAN 18	1 038 000	1970
1971	331 AT 08:30 MST ON MAY 28	314 ON MAY 28	4.288 ON JAN 13	1 310 000	1971
1972	718 A ON JUN 1	851 A ON JUN 1	3.178 ON DEC 8	2 080 000	1972
1973	212 AT 10:20 MST ON MAY 18	198 ON MAY 18	3.888 ON DEC 31	836 000	1973
1974	408 AT 08:38 MST ON JUN 18	374 ON JUN 17	8.848 ON JAN 1	1 880 000	1974
1975	1 880 AT 07:30 MST ON JUN 20 *	1 220 ON JUN 20 *	8.418 ON FEB 1	1 720 000	1975
1976	328 AT 08:20 MST ON AUG 8	288 ON AUG 8	4.188 ON DEC 30	1 310 000	1976
1977	77.0 AT 18:48 MST ON MAY 11	88.8 ON MAY 12	2.878 ON NOV 21	488 000	1977
1978	247 AT 11:28 MST ON JUN 8	238 ON JUN 8	4.258 ON MAR 3	1 380 000	1978
1979	282 AT 08:00 MST ON MAY 27	268 ON MAY 27	2.138 ON NOV 30	868 000	1979
1980	272 AT 09:00 MST ON MAY 27	248 ON MAY 27	2.848 ON JAN 11	1 080 000	1980
1981	518 AT 14:30 MST ON MAY 22	477 ON MAY 22	1.88 ON NOV 26 *	1 840 000	1981
1982	188 AT 08:08 MST ON MAY 28	181 ON MAY 28	2.788 ON JAN 18	848 000	1982
1983	186 AT 00:00 MST ON MAY 27	170 ON MAY 26	2.268 ON DEC 2	783 000	1983
1984	144 AT 10:40 MST ON MAY 31	132 ON MAY 31	2.848 ON NOV 27	658 000	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	1 240 000	MEAN

OLDMAN RIVER NEAR COWLEY - STATION NO. 05AA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	27.1	8.81	9.26	8.11	---	---	---	1908
1909	---	---	---	---	40.8	98.1	---	19.3	7.15	5.05	---	---	---	1909
1910	---	---	---	---	---	24.4	9.16	5.41	8.76	8.16	---	---	---	1910
1911	2.76	3.31	3.10	10.4	35.8	88.1	18.0	22.8	28.5	10.5	7.18	5.18	17.0	1911
1912	2.39	2.42	6.81	15.3	23.4	53.8	26.8	15.4	7.17	6.31	5.77	4.18	14.5	1912
1913	3.18	3.30	2.84	30.2	48.4	48.7	17.0	15.5	9.42	8.02	7.22	4.87	15.8	1913
1914	3.48	2.85	2.74	10.6	38.1	38.1	17.1	7.88	5.73	12.7	10.8	4.38	12.7	1914
1915	4.87	2.89	2.85	14.0	85.3	89.4	36.0	19.6	11.4	11.5	8.12	4.22	21.2	1915
1916	3.20	21.7	12.1	18.1	41.2	98.5	52.5	13.9	13.3	8.18	5.48	2.88	24.2	1916
1917	3.36	2.88	2.82	8.58	57.6	75.6	26.0	11.0	8.48	4.23	3.60	2.88	17.3	1917
1918	3.60	1.26	2.84	12.4	27.1	41.7	11.8	8.61	8.87	8.78	4.05	2.88	10.8	1918
1919	2.46	2.47	2.79	14.1	43.1	28.2	9.42	5.11	3.36	3.39	2.76	3.06	10.0	1919
1920	2.16	2.83	3.87	8.48	44.7	88.5	35.2	8.81	4.81	4.37	3.91	3.02	18.0	1920
1921	2.76	3.06	3.27	10.8	42.8	41.3	12.0	4.71	3.21	3.22	2.85	1.80	11.0	1921
1922	1.83	1.89	1.74	5.34	41.6	48.8	15.8	6.18	4.33	3.76	3.25	1.82	11.8	1922
1923	2.06	2.18	2.88	8.82	82.0	128	31.2	10.8	8.82	4.67	3.21	2.87	21.1	1923
1924	1.87	2.86	2.47	8.27	38.2	88.5	18.1	17.8	5.84	4.48	2.89	2.80	13.8	1924
1925	2.82	2.74	5.18	23.0	81.0	41.4	12.0	6.10	5.89	7.38	5.74	5.01	14.0	1925
1926	3.86	4.07	4.26	16.2	13.3	26.8	14.3	5.96	24.7	22.3	6.81	4.81	12.5	1926
1927	3.10	2.86	3.27	17.4	48.9	92.5	28.0	22.6	38.2	21.2	9.62	5.88	24.6	1927
1928	7.46	6.20	7.38	16.4	52.8	88.1	52.6	13.0	10.6	18.3	7.85	3.80	30.7	1928
1929	2.83	2.84	5.20	7.33	37.6	78.6	14.0	5.37	4.02	3.88	2.80	2.88	14.0	1929
1930	2.28	5.61	4.10	18.8	41.3	52.1	17.8	6.17	4.63	3.88	2.35	1.98	13.4	1930
1931	1.72	1.72	2.48	3.32	---	---	---	---	---	---	---	---	---	1931
1944	---	---	---	---	---	---	---	---	---	---	2.28	1.46	---	1944
1945	1.21	1.20	1.77	2.88	---	---	---	---	---	---	4.38	2.78	---	1945
1946	2.46	3.28	3.80	10.0	---	---	---	---	---	---	4.74	3.63	---	1946
1947	3.63	3.48	6.84	18.8	---	---	---	---	---	---	---	---	---	1947
1948	---	2.47	3.88	15.7	---	---	---	---	---	---	4.30	3.20	---	1948
1949	2.13	1.90	1.78	5.17	---	---	---	---	---	---	---	---	---	1949
MEAN	2.93	3.64	4.08	12.3	42.2	80.3	23.0	11.3	8.73	8.04	5.20	3.39	15.8	MEAN

LOCATION - LAT 49 36 23 N DRAINAGE AREA, 1 940 km²
LONG 114 02 43 W NATURAL FLOW

OLDMAN RIVER NEAR COWLEY - STATION NO. 05AA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	---	---	---	1908
1909	---	235 ON JUN 2	---	---	1909
1910	---	---	---	---	1910
1911	---	158 ON MAY 18	1.64 ON MAR 14	535 000	1911
1912	---	200 ON JUN 16	2.16 B ON JAN 10	469 000	1912
1913	---	87.4 ON MAY 13	2.10 B ON MAR 25	496 000	1913
1914	---	97.2 ON JUN 4	2.36 B ON MAR 4	400 000	1914
1915	---	133 ON JUN 27	1.47 B ON MAR 10	669 000	1915
1916	---	170 ON JUN 18	2.12 ON MAR 1	784 000	1916
1917	---	114 ON MAY 16	1.70 B ON DEC 26	545 000	1917
1918	---	89.2 ON JUN 10	0.7838 ON FEB 17 *	341 000	1918
1919	---	85.0 ON MAY 29	0.9838 ON NOV 12	318 000	1919
1920	---	105 ON JUN 15	0.6788 ON JAN 11	507 000	1920
1921	---	82.7 ON MAY 28	1.02 B ON DEC 23	367 000	1921
1922	---	85.2 ON JUN 6	1.10 B ON FEB 16	381 000	1922
1923	---	626 ON MAY 31 *	1.93 B ON DEC 2	884 000	1923
1924	---	78.3 ON JUN 8	1.30 B ON JAN 17	431 000	1924
1925	---	102 ON MAY 22	2.21 B ON JAN 28	442 000	1925
1926	---	74.5 ON JUN 23	2.83 B ON APR 4	383 000	1926
1927	---	177 ON JUN 11	2.85 B ON FEB 17	777 000	1927
1928	---	187 ON JUL 3	3.20 B ON DEC 31	885 000	1928
1929	---	419 ON JUN 3	2.32 B ON NOV 16	441 000	1929
1930	---	83.0 ON JUN 8	1.84 B ON DEC 19	423 000	1930
1931	---	---	---	---	1931
1944	---	---	---	---	1944
1945	---	---	---	---	1945
1946	---	---	---	---	1946
1947	---	53.0E ON APR 30	3.03 B ON FEB 1	---	1947
1948	---	---	---	---	1948
1949	---	12.3 ON APR 28	1.47 B ON MAR 18	---	1949
				498 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR FORT MACLEOD - STATION NO. 05AB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	13.0	17.7	29.8	---	---	---	1910
1911	---	---	---	50.4	188	237	85.8	58.9	118	36.5	26.8	18.2	---	1911
1912	11.2	10.7	24.0	46.3	108	108	84.8	34.4	20.7	19.7	20.2	12.0	41.8	1912
1913	8.86	8.03	10.8	73.9	148	174	51.3	32.8	21.8	21.8	16.8	11.7	48.5	1913
1914	8.01	6.85	11.4	44.8	118	104	42.8	21.7	18.1	47.3	38.2	14.3	38.5	1914
1915	12.1	9.87	13.3	48.5	185	174	93.6	48.6	26.9	31.8	25.2	15.5	57.1	1915
1916	9.80	37.2	30.8	45.2	103	326	143	35.9	25.8	17.8	15.8	9.20	68.4	1916
1917	7.78	7.08	7.84	24.2	172	247	78.6	24.7	15.1	11.2	9.60	7.28	51.1	1917
1918	14.6	8.00	18.1	33.1	86.0	126	32.5	18.9	15.6	14.8	11.3	8.80	32.2	1918
1919	8.55	5.08	8.69	35.4	114	75.8	25.3	13.1	8.46	9.84	9.06	7.12	26.6	1919
1920	8.08	7.29	12.8	29.5	129	175	91.1	22.9	13.1	14.0	10.4	7.44	43.2	1920
1921	8.09	8.22	10.6	32.7	121	132	39.6	14.9	10.5	12.1	8.22	7.86	33.9	1921
1922	8.78	8.34	8.88	18.8	127	143	42.3	15.7	8.97	8.41	8.22	5.10	33.0	1922
1923	8.46	5.87	7.69	23.1	118	446	79.8	32.4	16.0	8.48	11.2	8.10	63.2	1923
1924	7.34	10.6	8.37	15.1	84.8	126	35.9	25.9	12.2	10.5	10.4	10.3	30.0	1924
1925	11.3	10.2	31.3	78.1	138	101	22.9	8.28	12.3	19.2	14.9	15.3	38.5	1925
1926	8.92	8.10	8.14	33.4	37.8	37.3	16.5	4.71	47.3	59.3	25.3	15.6	25.4	1926
1927	8.83	8.28	11.0	44.7	173	289	108	45.3	86.4	59.2	31.6	20.7	75.1	1927
1928	24.2	18.2	38.3	50.6	177	151	140	32.1	23.1	34.3	20.0	13.2	80.3	1928
1929	8.25	7.47	21.9	22.5	122	193	27.5	5.36	3.65	3.97	8.18	7.11	38.9	1929
1930	6.24	14.2	13.2	61.8	108	114	22.2	3.15	3.50	7.70	8.34	6.21	30.8	1930
1931	8.68	5.81	7.25	10.2	43.7	---	---	---	---	---	---	---	---	1931
1932	---	---	---	---	---	---	---	---	6.51	6.81	---	---	---	1932
1933	6.79	4.47	6.82	21.2	---	---	42.1	6.85	---	---	34.5	21.0	---	1933
1934	17.0	20.8	28.-	115	150	118	28.7	2.48	2.87	---	---	13.2	---	1934
1935	14.3	18.1	12.1	30.8	88.8	88.8	23.0	2.62	1.91	3.23	8.35	6.42	25.8	1935
1936	8.46	3.96	12.3	39.5	84.4	57.8	2.51	0.778	0.780	2.04	6.82	5.51	18.5	1936
1937	4.30	4.67	6.73	18.3	85.1	125	23.2	1.80	1.10	7.44	24.1	10.6	24.3	1937
1938	8.00	7.72	10.3	54.3	185	154	42.5	9.56	4.38	6.36	13.6	8.42	42.2	1938
1939	8.95	8.31	14.7	32.9	84.2	95.6	26.0	1.51	1.44	10.1	14.7	11.9	22.8	1939
1940	7.03	8.84	15.6	29.7	89.8	40.7	8.08	2.90	15.8	25.7	17.7	12.1	22.7	1940
1941	9.22	7.61	11.2	26.4	34.3	36.8	10.2	1.70	13.2	23.2	16.6	26.1	18.3	1941
1942	16.7	8.35	8.10	30.8	215	243	82.0	33.8	32.3	19.9	14.6	10.5	60.6	1942
1943	8.16	8.84	28.3	89.3	102	132	53.5	8.00	4.08	3.43	6.89	5.16	37.4	1943
1944	5.16	5.29	5.69	5.55	15.3	29.8	9.32	2.13	2.07	3.83	6.71	6.17	8.08	1944
1945	5.86	5.03	6.95	3.40	86.9	192	49.4	3.87	3.89	10.1	13.4	8.35	32.5	1945
1946	8.07	6.87	10.3	35.4	84.6	121	38.1	3.25	15.2	19.8	18.4	14.7	32.2	1946
1947	12.4	22.0	29.0	73.2	173	117	26.7	10.2	22.8	50.7	30.6	11.5	48.4	1947
1948	10.9	8.34	13.0	86.3	244	333	78.6	41.6	7.78	---	---	---	---	1948
MEAN	9.38	9.71	14.4	40.9	118	154	49.7	17.4	17.8	19.1	16.8	11.2	38.3	MEAN

LOCATION - LAT 49 43 00 N DRAINAGE AREA, 5 780 km²
LONG 113 27 00 W REGULATED

OLDMAN RIVER NEAR FORT MACLEOD - STATION NO. 05AB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)		MAXIMUM DAILY DISCHARGE (m³/s)		MINIMUM DAILY DISCHARGE (m³/s)		TOTAL DISCHARGE (dam³)	YEAR
1910	---		---		---		---	1910
1911	---		467 ON MAY 18		---		---	1911
1912	---		308 ON JUN 16		7.36 B ON DEC 18		1 320 000	1912
1913	---		385 ON MAY 29		8.37 B ON FEB 26		1 530 000	1913
1914	---		187 ON JUN 5		5.86 B ON JAN 31		1 240 000	1914
1915	---		282 ON JUN 26		7.78 B ON DEC 15		1 800 000	1915
1916	---		809 ON JUN 21		7.78 B ON JAN 13		2 100 000	1916
1917	340	ON JUN 10 *	331 ON JUN 10		4.25 B ON DEC 4		1 610 000	1917
1918	---		237 ON JUN 12		4.58 B ON DEC 30		1 020 000	1918
1919	---		281 A ON MAY 26		2.83 B ON FEB 5		848 000	1919
1920	283	ON JUN 16	276 ON JUN 16		2.58 B ON DEC 8		1 370 000	1920
1921	---		262 A ON MAY 26		4.56 B ON NOV 20		1 070 000	1921
1922	282	ON JUN 5	271 ON JUN 6		3.88 B ON NOV 30		1 040 000	1922
1923	---		1 880 A ON JUN 1 *		4.81 ON OCT 16		1 980 000	1923
1924	---		187 ON JUN 9		5.52 B ON JAN 1		950 000	1924
1925	---		272 ON MAY 22		5.88 ON SEP 4		1 210 000	1925
1926	---		109 A ON JUN 23		4.18 A ON AUG 24		801 000	1926
1927	---		493 ON JUN 12		8.85 B ON MAR 20		2 370 000	1927
1928	---		384 ON JUL 1		8.95 B ON DEC 3		1 810 000	1928
1929	---		871 ON JUN 4		1.84 B ON NOV 21		1 130 000	1929
1930	---		187 ON MAY 31		2.35 ON AUG 31		970 000	1930
1931	---		86.8A ON MAY 18		3.00 B ON FEB 8		---	1931
1932	---		---		---		---	1932
1933	---		---		2.63 B ON FEB 10		---	1933
1934	---		541 ON JUN 8		1.61 ON SEP 5		---	1934
1935	---		188 ON MAY 24		0.793 ON OCT 17		814 000	1935
1936	---		126 ON MAY 15		0.518 ON AUG 6		584 000	1936
1937	---		351 ON JUN 13		0.881 ON AUG 16		767 000	1937
1938	---		445 ON MAY 26		0.568 ON OCT 21		1 330 000	1938
1939	---		242 ON JUN 17		0.184 ON SEP 17 *		724 000	1939
1940	---		184 ON MAY 13		0.426 ON AUG 28		718 000	1940
1941	---		78.7 ON JUN 3		1.37 ON AUG 7		578 000	1941
1942	---		1 080 ON MAY 12		4.56 B ON FEB 25		1 810 000	1942
1943	---		198 ON JUN 18		3.23 ON OCT 31		1 180 000	1943
1944	---		48.8 ON JUN 28		1.47 ON AUG 13		265 000	1944
1945	---		411 ON JUN 7		1.30 ON APR 17		1 020 000	1945
1946	---		238 ON MAY 25		1.61 ON AUG 22		1 020 000	1946
1947	---		303 ON MAY 11		3.34 ON AUG 12		1 530 000	1947
1948	---		1 100 ON JUN 16		---		---	1948
							1 210 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR LETHBRIDGE - STATION NO. 05AD007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	248	80.3	---	---	---	1911
1912	27.3	25.4	51.2	102	223	223	192	83.8	46.0	46.4	---	---	---	1912
1913	17.8	11.7	12.8	145	286	445	172	98.6	55.3	80.1	50.8	25.8	114	1913
1914	19.0	17.8	31.8	98.8	244	224	106	84.5	45.8	113	84.8	31.0	89.8	1914
1915	25.8	20.4	55.5	98.4	287	409	259	145	83.8	102	59.4	27.8	133	1915
1916	22.7	67.1	97.2	108	232	885	385	108	89.4	61.3	38.0	38.3	160	1916
1917	19.8	22.8	23.8	102	436	612	221	96.7	35.3	29.7	26.8	18.5	134	1917
1918	85.4	31.2	50.2	87.8	213	307	82.3	43.8	39.7	40.2	26.7	21.0	83.3	1918
1919	18.1	16.0	17.5	88.8	242	189	89.1	30.2	17.6	18.8	22.8	19.9	80.0	1919
1920	16.4	24.6	58.1	80.5	284	384	236	58.8	36.0	41.2	30.2	21.8	108	1920
1921	19.8	23.1	43.0	84.8	284	359	121	41.4	26.2	44.8	31.2	25.2	83.0	1921
1922	16.8	13.0	16.8	82.2	282	372	126	38.7	22.3	20.8	25.1	13.1	84.2	1922
1923	15.2	12.2	20.3	86.1	223	782	190	78.4	51.4	27.6	28.6	16.8	123	1923
1924	14.7	21.6	28.1	82.6	208	326	112	89.9	26.8	26.8	32.1	28.4	77.9	1924
1925	34.7	30.4	80.8	177	325	287	98.2	32.2	37.9	60.8	38.7	30.1	102	1925
1926	20.4	18.8	20.7	71.8	84.8	80.7	49.4	16.7	88.7	138	58.6	38.8	58.8	1926
1927	20.8	20.8	41.4	108	432	788	301	126	205	162	86.7	47.0	195	1927
1928	84.8	43.2	108	104	385	380	401	82.0	53.0	99.4	56.8	28.8	153	1928
1929	20.3	16.9	58.1	80.1	276	405	89.8	21.8	17.4	18.7	21.8	17.3	85.4	1929
1930	16.8	45.2	37.8	154	267	288	76.4	16.7	16.0	25.8	18.3	15.7	78.7	1930
1931	13.2	12.7	14.6	22.1	135	107	23.9	11.8	11.0	---	---	---	---	1931
1932	---	---	---	---	---	381	83.1	26.0	18.3	16.8	31.2	26.8	---	1932
1933	19.5	13.4	20.2	84.3	242	361	133	24.8	30.7	48.7	105	56.8	82.8	1933
1934	86.1	70.1	81.2	222	311	324	89.4	15.3	14.8	27.8	86.8	32.3	108	1934
1935	36.7	64.5	48.8	73.0	180	217	74.8	21.0	10.2	11.2	20.6	15.7	64.3	1935
1936	10.3	8.53	45.8	80.7	188	156	18.5	8.88	8.88	8.34	15.3	8.08	46.1	1936
1937	8.88	8.88	19.8	40.8	133	387	87.8	15.3	8.78	23.2	38.3	23.0	82.8	1937
1938	23.8	18.2	83.2	85.8	332	328	118	23.3	16.1	17.1	18.8	18.2	87.8	1938
1939	18.7	11.8	34.2	84.3	183	185	83.2	10.2	8.71	21.3	25.1	20.7	81.4	1939
1940	16.8	13.8	33.8	88.8	188	114	31.0	17.8	27.8	44.8	30.4	23.8	80.0	1940
1941	19.8	17.8	28.2	47.8	81.2	101	48.8	10.2	27.8	84.8	41.3	38.3	44.4	1941
1942	28.8	16.0	28.4	73.2	387	818	243	82.8	67.7	82.8	32.0	28.0	137	1942
1943	18.8	24.4	84.4	204	284	388	187	33.2	13.7	13.7	18.8	12.8	103	1943
1944	10.3	8.88	12.8	21.8	88.2	102	41.7	13.8	10.4	16.0	18.3	13.8	27.2	1944
1945	13.3	12.8	20.8	16.8	184	426	133	14.4	17.8	30.8	44.1	25.2	78.0	1945
1946	18.1	16.4	28.2	70.3	213	293	88.7	16.0	28.8	42.8	42.0	30.8	74.7	1946
1947	27.8	61.3	144	149	387	283	83.8	26.3	86.8	126	74.8	28.3	119	1947
1948	30.4	22.0	34.8	183	883	841	170	88.8	23.1	---	---	---	---	1948
1953	---	---	---	---	---	---	---	---	---	---	---	---	---	1953
1957	---	---	---	---	---	---	---	---	13.1	33.8	47.8	16.8	---	1957
1958	14.8	13.0	27.2	106	277	258	132	42.3	22.4	23.8	29.8	23.1	81.0	1958
1959	19.8	32.1	53.7	91.8	266	413	156	41.3	86.8	73.3	81.8	84.4	118	1959
1960	31.7	25.0	78.8	112	200	228	88.8	25.3	8.12	10.4	14.8	13.8	88.3	1960
1961	10.2	12.4	17.1	22.0	222	281	80.2	15.8	14.8	37.7	30.3	12.8	86.8	1961
1962	15.7	32.8	63.2	124	146	170	80.0	14.8	11.8	10.3	12.8	18.8	84.7	1962
1963	16.0	24.8	18.8	16.0	107	242	252	32.8	18.2	16.8	23.7	21.2	88.0	1963
1964	16.0	13.8	12.8	34.0	348	808	142	26.8	14.8	25.8	18.0	16.3	108	1964
1965	19.7	28.0	38.8	107	235	487	239	88.4	70.1	86.8	47.8	36.8	123	1965
1966	27.8	23.8	48.3	106	267	374	160	82.1	48.1	26.3	31.4	23.8	89.2	1966
1967	21.1	24.4	86.4	77.8	474	718	206	32.8	13.1	13.3	27.4	12.2	140	1967
1968	17.7	18.8	30.3	28.7	138	263	75.8	48.3	108	88.8	86.8	36.1	78.8	1968
1969	33.8	22.2	82.3	181	240	331	236	36.7	12.2	18.8	25.1	18.1	102	1969
1970	8.48	13.8	18.8	28.3	237	360	80.2	18.8	15.1	18.2	19.3	21.8	70.2	1970
1971	18.4	82.4	27.3	81.8	282	338	88.0	28.8	21.2	32.1	28.3	17.0	84.0	1971
1972	16.8	17.0	120	127	411	488	158	86.0	47.1	48.8	40.7	21.0	134	1972
1973	20.8	24.8	34.8	30.8	126	144	36.8	8.30	8.88	13.8	24.1	21.8	41.2	1973
1974	16.8	28.8	43.0	82.7	283	473	138	82.8	33.3	17.8	18.8	13.8	100	1974
1975	12.2	12.2	16.3	74.2	318	729	245	48.8	84.3	88.4	41.8	82.8	138	1975
1976	46.8	36.8	43.0	73.8	242	131	81.8	180	46.7	36.1	26.1	17.4	77.8	1976
1977	12.8	18.7	16.8	21.8	40.2	26.0	7.88	8.30	8.43	14.8	11.8	12.1	16.7	1977
1978	8.07	10.8	70.7	47.2	244	303	153	86.8	114	73.7	28.3	18.7	84.4	1978
1979	13.0	11.2	73.7	78.7	280	188	28.7	11.8	8.80	16.1	13.0	16.8	82.8	1979
1980	8.84	11.2	16.4	46.1	148	238	26.3	16.1	22.8	34.8	43.3	31.7	86.8	1980
1981	82.3	33.8	26.0	32.7	416	316	80.8	34.4	12.4	13.3	21.3	8.84	88.8	1981
1982	8.82	8.82	17.2	44.3	86.8	267	100	12.0	10.8	34.4	26.6	17.8	82.8	1982
1983	14.8	18.0	23.4	23.8	84.8	78.8	27.4	8.42	7.37	14.1	23.8	11.8	28.8	1983
1984	22.3	21.2	12.4	14.3	28.8	73.7	18.4	8.14	8.80	16.0	16.8	8.82	20.3	1984
MEAN	22.2	23.8	41.3	80.8	245	338	128	41.2	38.1	42.0	38.3	23.8	87.3	MEAN

LOCATION - LAT 49 42 30 N DRAINAGE AREA, 17 000 km²
LONG 112 82 30 W REGULATED SINCE 1910

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	418 ON JUN 17	---	---	1912
1913	---	705 ON MAY 29	8.50B ON DEC 24	3 580 000	1913
1914	---	348 ON JUN 5	8.21 ON MAR 27	2 820 000	1914
1915	---	826 ON JUN 27	18.2 ON MAR 8	4 200 000	1915
1916	---	1 220 ON JUN 20	9.84 ON NOV 13	5 040 000	1916
1917	---	1 120 ON JUN 10	12.7 B ON DEC 11	4 230 000	1917
1918	---	588 ON JUN 15	10.2 B ON NOV 27	2 630 000	1918
1919	---	547 ON MAY 30	8.89B ON FEB 26	1 890 000	1919
1920	---	501 ON JUN 19	10.5 B ON JAN 21	3 360 000	1920
1921	---	510 ON MAY 26	14.6 B ON FEB 4	2 930 000	1921
1922	---	597 ON JUN 7	8.48B ON DEC 3	2 650 000	1922
1923	2 830 AT 16:30 MST ON JUN 2	2 380 ON JUN 2	10.6 B ON FEB 10	3 890 000	1923
1924	---	490 ON JUN 5	11.6 B ON JAN 9	2 460 000	1924
1925	---	547 ON MAY 24	14.2 B ON DEC 23	3 220 000	1925
1926	244 AT 08:30 MST ON JUN 21	241 ON JUN 21	13.5 B ON FEB 16	1 880 000	1926
1927	1 420 AT 16:30 MST ON JUN 12	1 380 ON JUN 12	15.6 B ON JAN 21	6 150 000	1927
1928	1 240 AT 17:30 MST ON JUL 2	1 200 ON JUL 2	15.9 B ON DEC 2	4 830 000	1928
1929	1 180 AT 18:00 MST ON JUN 4	1 110 ON JUN 4	10.6 B ON NOV 22	2 690 000	1929
1930	---	402 ON JUN 1	7.45 ON SEP 8	2 510 000	1930
1931	---	250 ON MAY 18	---	---	1931
1932	---	852 ON JUN 3	---	---	1932
1933	---	445 ON JUN 18	12.1 B ON FEB 9	2 920 000	1933
1934	---	991 ON JUN 8	10.2 ON AUG 30	3 410 000	1934
1935	---	385 ON MAY 25	5.95 ON OCT 7	2 030 000	1935
1936	---	292 ON JUN 3	3.78 ON AUG 31	1 460 000	1936
1937	---	1 130 ON JUN 14	7.14B ON JAN 28	1 890 000	1937
1938	---	804 ON MAY 28	9.94B ON NOV 12	2 770 000	1938
1939	---	371 ON JUN 16	5.66 ON SEP 5	1 620 000	1939
1940	---	288 ON MAY 14	5.52 ON AUG 31	1 580 000	1940
1941	---	181 ON JUN 4	5.20 ON AUG 25	1 400 000	1941
1942	2 710 AT 12:00 MST ON JUN 7	2 340 ON JUN 7	10.1 B ON FEB 18	4 310 000	1942
1943	---	548 ON JUN 20	8.38B ON DEC 24	3 250 000	1943
1944	---	188 ON JUN 29	7.25B ON JAN 1	882 000	1944
1945	---	813 ON JUN 8	8.52 ON SEP 7	2 480 000	1945
1946	---	484 ON MAY 30	10.4 ON AUG 24	2 380 000	1946
1947	---	843 ON MAR 17	17.2 ON AUG 18	3 770 000	1947
1948	---	2 830 ON JUN 18	---	---	1948
1953	3 110 AT 02:00 MST ON JUN 10 *	2 890 ON JUN 10 *	---	---	1953
1957	---	---	---	---	1957
1958	438 AT 01:00 MST ON MAY 14	418 ON MAY 14	8.43B ON FEB 8	2 550 000	1958
1959	612 AT 08:00 MST ON JUN 7	606 ON JUN 7	14.3 B ON JAN 30	3 810 000	1959
1960	---	378 ON JUN 5	6.09 ON SEP 18	2 180 000	1960
1961	586 AT 09:00 MST ON MAY 28	572 ON MAY 29	5.83 ON JAN 4	1 880 000	1961
1962	---	258 ON JUN 15	7.36 ON OCT 4	1 730 000	1962
1963	---	881 ON JUL 1	5.38 ON NOV 20	2 080 000	1963
1964	2 090 AT 13:00 MST ON JUN 10	1 980 ON JUN 10	7.85 ON MAR 24	3 360 000	1964
1965	858 AT 12:00 MST ON JUN 19	823 ON JUN 19	12.1 B ON FEB 14	3 860 000	1965
1966	589 AT 03:00 MST ON JUN 6	582 ON JUN 6	11.8 B ON DEC 3	3 130 000	1966
1967	1 080 AT 05:00 MST ON JUN 2	1 060 ON JUN 1	9.00B ON DEC 14	4 410 000	1967
1968	413 AT 05:00 MST ON JUN 8	408 ON JUN 9	11.6 B ON JAN 6	2 530 000	1968
1969	874 AT 10:27 MST ON JUN 30	857 ON JUN 30	5.10B ON DEC 11	3 220 000	1969
1970	---	722 ON JUN 18	4.62B ON NOV 23	2 220 000	1970
1971	586 AT 13:00 MST ON JUN 1	583 ON JUN 1	5.15B ON DEC 9	2 650 000	1971
1972	892 AT 08:40 MST ON JUN 2	867 ON JUN 2	7.89B ON DEC 3	4 210 000	1972
1973	257 AT 00:04 MST ON MAY 21	250 ON MAY 21	4.87 ON AUG 28	1 300 000	1973
1974	711 AT 08:25 MST ON JUN 18	697 ON JUN 18	7.62B ON DEC 27	3 180 000	1974
1975	2 820 AT 20:00 MST ON JUN 21	2 440 ON JUN 21	10.1 B ON JAN 23	4 390 000	1975
1976	---	365 A ON MAY 15	9.40B ON DEC 31	2 480 000	1976
1977	58.0 AT 03:00 MST ON MAY 13	57.5 ON MAY 13	2.61B ON NOV 23 *	527 000	1977
1978	467 AT 22:40 MST ON JUN 10	459 ON JUN 10	8.24B ON JAN 30	2 980 000	1978
1979	532 AT 08:40 MST ON MAY 28	522 ON MAY 28	7.73 ON SEP 27	1 970 000	1979
1980	843 ON MAY 27	807 A ON MAY 27	4.76B ON JAN 11	1 790 000	1980
1981	1 170 AT 13:00 MST ON MAY 23	1 100 ON MAY 24	5.30B ON DEC 31	2 800 000	1981
1982	348 AT 17:25 MST ON JUN 18	328 ON JUN 17	4.00B ON JAN 10	1 680 000	1982
1983	273 AT 05:15 MST ON MAY 28	268 ON MAY 28	4.75A ON SEP 28	911 000	1983
1984	107 AT 10:35 MST ON JUN 1	98.1 ON JUN 1	2.85 ON AUG 30	840 000	1984
				2 780 000	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

OLDMAN RIVER NEAR MONARCH - STATION NO. 05AD018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	---	---	---	---	---	---	---	---	---	10.0	12.1	8.78	---	1948
1949	5.84	9.31	8.93	38.5	100	76.1	12.7	3.76	2.61	8.20	13.2	11.2	23.8	1949
1950	6.52	9.88	13.8	43.2	138	189	86.5	11.0	3.24	9.24	20.3	19.7	44.2	1950
1951	11.7	14.8	26.0	75.1	274	256	158	50.1	122	63.0	43.6	25.9	95.4	1951
1952	20.5	19.6	34.4	107	111	81.5	46.0	23.5	13.7	9.78	10.7	8.84	41.6	1952
1953	9.08	9.98	17.6	45.1	184	522	100	21.5	9.80	8.61	13.1	7.92	78.0	1953
1954	4.68	12.6	12.9	38.1	201	161	88.9	24.7	32.1	33.9	24.7	17.5	56.3	1954
1955	7.11	7.09	7.76	48.3	144	191	99.9	18.4	7.34	18.1	26.4	9.57	49.0	1955
1956	8.32	8.89	11.6	40.2	172	132	73.6	19.5	9.38	9.84	10.6	8.72	42.0	1956
1957	6.66	9.38	26.5	23.9	184	116	18.1	1.55	1.26	7.77	18.4	8.40	36.8	1957
1958	6.83	8.85	11.8	40.2	159	86.5	88.1	19.4	8.79	8.73	8.07	8.88	37.3	1958
1959	10.3	8.40	22.9	33.2	163	198	84.4	13.3	24.6	28.0	24.8	17.0	50.7	1959
1960	7.32	16.2	35.9	58.6	110	89.4	23.5	6.61	1.24	2.14	9.30	7.66	31.5	1960
1961	8.41	8.54	8.62	11.2	159	162	15.1	3.30	2.23	14.9	18.2	8.37	33.2	1961
1962	8.56	14.3	19.2	74.2	84.3	86.5	20.1	3.25	2.57	2.18	8.20	10.0	27.9	1962
1963	7.89	19.4	12.3	7.15	83.5	118	150	14.9	3.27	4.87	8.17	10.9	38.1	1963
1964	6.51	6.83	12.0	20.1	170	235	48.6	5.16	4.13	9.75	10.2	6.61	44.4	1964
1965	6.56	10.3	14.1	50.0	108	217	91.5	18.6	28.9	27.5	20.2	13.7	50.5	1965
1966	8.37	8.62	29.6	48.6	128	185	57.1	20.2	13.3	10.3	18.6	9.48	43.0	1966
1967	7.88	10.0	23.8	24.3	245	372	80.9	12.2	4.37	6.62	18.6	7.84	67.9	1967
1968	7.23	10.2	17.6	14.7	83.6	126	40.4	15.1	28.1	38.7	---	---	---	1968
1969	---	---	25.1	97.3	131	179	125	10.8	4.48	10.7	---	---	---	1969
MEAN	8.28	10.7	18.6	44.7	149	181	89.4	15.1	15.7	16.3	16.7	11.2	48.8	MEAN

LOCATION - LAT 49 47 25 N DRAINAGE AREA, 8 880 km²
LONG 113 07 25 W REGULATED

OLDMAN RIVER NEAR MONARCH - STATION NO. 05AD018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1948	---	---	---	---	1948
1949	---	182 ON MAY 25	1.76 ON SEP 25	749 000	1949
1950	---	257 ON JUN 16	1.44 ON OCT 10	1 400 000	1950
1951	---	527 ON JUN 25	3.96 B ON JAN 6	3 010 000	1951
1952	---	218 ON APR 28	3.82 B ON NOV 28	1 310 000	1952
1953	---	1 550 ON JUN 10 *	4.42 B ON JAN 6	2 490 000	1953
1954	---	454 ON MAY 20	2.12 B ON JAN 19	1 780 000	1954
1955	---	386 ON MAY 21	3.96 B ON FEB 23	1 550 000	1955
1956	---	418 ON MAY 22	1.27 B ON DEC 9	1 330 000	1956
1957	---	247 ON MAY 22	0.484 ON OCT 3	1 130 000	1957
1958	---	273 ON MAY 13	2.52 ON OCT 13	1 180 000	1958
1959	---	297 ON MAY 27	4.47 B ON DEC 31	1 600 000	1959
1960	---	274 ON MAY 14	0.541 ON OCT 8	935 000	1960
1961	---	462 ON MAY 28	0.108 ON SEP 9 *	1 050 000	1961
1962	---	207 ON JUN 15	1.48 ON OCT 25	678 000	1962
1963	---	725 ON JUL 1	0.800 ON OCT 28	1 140 000	1963
1964	---	623 ON JUN 9	3.28 ON AUG 27	1 400 000	1964
1965	---	595 ON JUN 19	0.7938 ON DEC 27	1 590 000	1965
1966	---	309 ON JUN 8	2.86 B ON DEC 3	1 380 000	1966
1967	---	714 ON JUN 1	3.45 ON SEP 29	2 140 000	1967
1968	---	270 ON MAY 24	---	---	1968
1969	---	589 ON JUN 27	---	---	1969
				1 480 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR THE MOUTH - STATION NO. 05AG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	833	187	30.2	22.5	32.5	23.5	15.2	---	1984
1985	20.5	31.3	32.0	97.4	210	471	248	83.5	72.2	101	46.3	38.3	120	1985
1986	25.5	21.2	51.2	117	248	358	160	54.4	48.4	28.2	36.3	18.5	87.7	1986
1987	15.5	22.5	57.6	63.3	444	731	207	40.0	18.5	17.4	26.3	10.2	140	1987
1988	15.4	18.5	37.3	30.5	140	288	95.5	55.0	111	110	67.1	36.5	85.5	1988
1982	---	---	---	---	98.2	288	126	23.5	17.1	37.7	26.0	18.1	---	1982
1983	17.7	19.4	26.4	26.0	95.1	108	38.3	15.5	12.1	18.4	23.5	12.7	34.0	1983
1984	15.0	26.3	18.7	15.0	29.0	76.5	28.0	10.5	8.78	17.5	21.5	10.5	33.4	1984
MEAN	18.5	23.3	37.2	61.5	180	389	133	38.7	38.0	45.1	37.2	20.4	83.5	MEAN

LOCATION - LAT 49 55 08 N DRAINAGE AREA, 27 500 km²
LONG 111 48 00 W REGULATED

OLDMAN RIVER NEAR THE MOUTH - STATION NO. 05AG005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	1 840 ON JUN 11 *	---	---	1964
1965	---	892 ON JUN 20	11.7 B ON MAR 30	3 770 000	1965
1966	---	526 ON JUN 7	10.6 B ON DEC 5	3 080 000	1966
1967	---	1 070 ON JUN 2	8.80B ON DEC 18	4 410 000	1967
1968	---	430 ON JUN 10	10.3 B ON JAN 8	2 710 000	1968
1982	401 AT 13:55 MST ON JUN 18 *	372 ON JUN 17	---	---	1982
1983	271 AT 04:15 MST ON MAY 29	265 ON MAY 29	8.88 ON SEP 28	1 070 000	1983
1984	122 AT 15:05 MST ON JUN 2	107 ON JUN 2	8.44 ON AUG 31 *	741 000	1984
				2 830 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1949	---	---	---	---	---	---	---	---	---	3.68	3.01	2.78	---	1949
1950	1.37	1.38	1.63	5.34	38.8	64.8	21.1	6.92	3.95	4.15	4.70	4.35	12.2	1950
1951	2.83	2.20	2.58	12.1	69.7	84.5	42.7	15.0	28.5	17.8	9.47	6.07	23.0	1951
1952	3.85	4.12	6.50	26.3	29.6	32.1	16.9	10.2	8.01	4.03	2.81	2.48	12.1	1952
1953	2.06	2.02	1.88	8.16	48.7	116	28.7	9.03	5.40	3.83	4.03	2.61	18.6	1953
1954	1.76	3.15	4.87	5.32	54.6	62.2	26.1	9.34	5.89	9.86	6.22	4.66	16.7	1954
1955	3.83	2.88	2.98	21.4	25.8	52.6	28.3	7.40	4.46	5.29	4.32	2.58	13.8	1955
1956	2.27	2.25	2.60	10.0	54.8	38.9	35.3	10.0	5.51	4.25	3.16	3.77	14.6	1956
1957	2.88	2.94	3.22	6.07	52.2	30.4	10.1	5.46	3.82	3.33	2.86	2.58	10.5	1957
1958	2.63	2.28	1.81	5.44	45.8	32.2	30.8	8.72	5.28	4.28	3.18	2.73	12.2	1958
1959	2.82	2.48	2.98	8.02	46.7	65.4	20.5	7.25	5.29	7.65	5.86	5.23	15.2	1959
1960	2.80	2.84	6.39	15.8	31.2	38.2	12.0	6.86	3.80	3.21	2.28	2.14	10.7	1960
1961	1.83	2.51	2.36	3.03	48.0	48.7	10.2	5.35	5.37	6.84	5.25	2.77	12.1	1961
1962	2.87	2.80	2.33	15.6	28.6	32.6	10.7	5.18	3.77	3.38	3.20	2.48	9.27	1962
1963	3.10	3.09	1.97	4.36	22.5	48.0	56.6	8.88	5.84	4.27	3.19	2.27	13.7	1963
1964	2.14	1.87	2.24	4.47	48.3	58.5	17.8	8.29	5.06	4.41	4.88	2.58	14.1	1964
1965	2.30	2.80	3.18	8.14	24.6	81.3	28.3	9.34	10.1	9.12	6.96	3.38	14.0	1965
1966	2.14	2.61	5.36	9.29	42.1	80.9	16.0	8.91	4.88	4.34	2.83	2.73	12.7	1966
1967	2.80	2.82	2.84	3.42	57.2	108	26.7	7.11	4.24	3.60	2.85	2.04	18.4	1967
1968	2.72	2.65	3.19	4.11	30.1	46.7	16.8	8.61	5.71	8.61	4.98	3.80	12.0	1968
1969	2.82	3.19	2.77	17.9	43.0	59.2	31.5	7.19	4.88	4.27	3.21	1.85	16.1	1969
1970	1.84	1.72	2.12	3.68	33.6	49.8	12.6	4.72	4.22	3.67	1.73	2.08	10.2	1970
1971	1.80	2.60	1.84	6.18	52.8	54.0	14.8	8.31	4.42	4.89	4.67	2.80	13.3	1971
1972	2.42	2.04	5.18	8.78	81.0	91.2	26.7	16.7	11.1	8.01	5.02	3.18	21.7	1972
1973	2.80	2.87	2.37	4.26	28.6	32.8	9.86	5.35	4.34	3.58	2.52	2.52	8.80	1973
1974	2.35	2.23	3.44	11.8	55.4	88.2	23.7	10.0	6.81	4.79	2.58	2.35	18.8	1974
1975	2.28	2.20	1.87	3.03	38.4	83.4	31.5	11.1	6.23	5.80	4.82	4.20	18.1	1975
1976	3.55	2.45	2.45	10.2	43.7	24.6	13.3	45.2	10.4	5.74	4.52	2.78	14.1	1976
1977	1.89	2.77	2.98	7.47	14.1	13.1	5.29	8.48	8.28	4.85	3.28	2.66	8.93	1977
1978	1.85	1.82	7.78	7.27	43.0	54.4	25.7	10.1	8.78	8.47	3.83	3.26	14.7	1978
1979	2.20	2.00	3.18	8.30	37.8	30.1	9.57	8.89	4.05	2.90	2.01	1.72	8.94	1979
1980	1.82	2.05	1.81	13.7	32.8	34.0	8.82	8.81	8.51	8.58	4.18	4.80	10.2	1980
1981	4.03	2.93	3.47	8.82	88.0	84.0	23.1	11.1	8.88	4.82	3.33	2.95	16.0	1981
1982	1.28	1.50	2.03	5.27	23.2	50.8	18.8	8.80	8.00	4.82	2.20	2.18	10.0	1982
1983	1.88	2.17	3.10	8.54	23.0	21.7	10.4	4.88	3.78	3.06	2.80	0.955	8.88	1983
1984	1.83	1.74	2.07	4.28	13.8	28.4	10.1	4.33	3.18	2.88	2.13	1.71	8.35	1984
MEAN	2.48	2.44	3.18	8.83	40.8	52.3	21.1	9.02	8.40	8.41	3.83	2.93	13.2	MEAN

LOCATION - LAT 49 48 50 N DRAINAGE AREA, 1 440 km^2
LONG 114 11 00 W NATURAL FLOW

OLDMAN RIVER NEAR WALDRON'S CORNER - STATION NO. 05AA023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1949	---	---	---	---	1949
1950	78.5 AT 01:00 MST ON MAY 28	72.8 ON MAY 28	1.10 B ON JAN 18	383 000	1950
1951	137 AT 15:00 MST ON JUN 15	126 ON JUN 15	1.30 B ON MAR 10	726 000	1951
1952	71.4 AT 14:30 MST ON JUN 12	51.0 ON APR 27	1.61 B ON DEC 24	382 000	1952
1953	453 AT 23:00 MST ON JUN 8 *	337 ON JUN 8 *	1.44 B ON MAR 21	819 000	1953
1954	148 AT 23:00 MST ON MAY 19	127 ON MAY 20	1.30 B ON JAN 22	525 000	1954
1955	88.1 AT 01:00 MST ON MAY 20	76.5 ON MAY 20	2.24 B ON DEC 23	430 000	1955
1956	149 AT 01:00 MST ON MAY 21	136 ON MAY 21	1.47 B ON NOV 7	461 000	1956
1957	77.5 AT 23:00 MST ON MAY 5	71.4 ON MAY 7	1.18 B ON JAN 23	333 000	1957
1958	78.9 AT 21:00 MST ON MAY 12	66.6 ON MAY 12	1.69 B ON MAR 2	385 000	1958
1959	110 AT 01:00 MST ON JUN 6	103 ON JUN 6	2.21 B ON FEB 6	480 000	1959
1960	84.1 AT 01:00 MST ON MAY 13	74.2 ON MAY 12	1.42 B ON DEC 6	338 000	1960
1961	177 AT 07:00 MST ON MAY 27	162 ON MAY 27	1.19 B ON MAR 16	383 000	1961
1962	51.0 AT 02:00 MST ON MAY 20	48.3 ON MAY 20	1.64 B ON DEC 23	292 000	1962
1963	212 E ON JUN 30	188 E ON JUN 30	1.48 B ON MAR 13	434 000	1963
1964	140 AT 12:00 MST ON JUN 6	131 ON JUN 6	1.46 B ON FEB 6	448 000	1964
1965	173 AT 06:00 MST ON JUN 18	155 ON JUN 18	1.22 B ON JAN 23	440 000	1965
1966	100 AT 01:00 MST ON JUN 5	94.6 ON JUN 5	2.07 B ON JAN 1	400 000	1966
1967	286 AT 22:00 MST ON MAY 30	242 ON MAY 31	1.66 B ON NOV 17	581 000	1967
1968	92.0 AT 03:14 MST ON MAY 23	84.1 ON MAY 23	1.55 B ON DEC 31	380 000	1968
1969	140 AT 02:13 MST ON JUN 26	129 ON JUN 26	1.36 B ON DEC 7	478 000	1969
1970	104 AT 22:25 MST ON JUN 13	91.5 ON JUN 14	1.05 B ON NOV 21	321 000	1970
1971	108 AT 23:00 MST ON JUN 5	102 ON JUN 6	1.45 B ON MAR 16	421 000	1971
1972	245 AT 01:15 MST ON JUN 1	217 ON JUN 1	1.86 B ON FEB 27	868 000	1972
1973	74.8 AT 01:00 MST ON MAY 16	63.4 ON MAY 16	1.61 B ON MAR 14	271 000	1973
1974	174 AT 04:00 MST ON JUN 17	162 ON JUN 17	1.28 B ON JAN 3	585 000	1974
1975	388 AT 04:30 MST ON JUN 20	286 ON JUN 20	1.65 B ON MAR 25	507 000	1975
1976	250 AT 00:50 MST ON AUG 6	173 ON AUG 6	1.54 B ON MAR 12	447 000	1976
1977	28.6 AT 10:15 MST ON MAY 11	25.4 ON MAY 11	1.35 B ON JAN 2	187 000	1977
1978	113 AT 01:30 MST ON JUN 6	102 ON JUN 6	1.50 B ON FEB 13	482 000	1978
1979	109 AT 01:30 MST ON MAY 27	94.0 ON MAY 27	1.28 B ON DEC 14	282 000	1979
1980	87.0 ON MAY 26	82.0E ON MAY 26	1.21 B ON MAR 6	322 000	1980
1981	221 AT 02:10 MST ON MAY 26	182 ON MAY 26	0.700B ON DEC 31	505 000	1981
1982	76.4 AT 00:17 MST ON JUN 16	71.6 ON JUN 16	0.488B ON JAN 5 *	317 000	1982
1983	46.1 AT 03:38 MST ON MAY 27	44.1 ON MAY 26	0.800B ON DEC 23	220 000	1983
1984	48.6 AT 03:20 MST ON MAY 31	38.6 ON MAY 31	0.700B ON NOV 26	201 000	1984
				418 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	2.32	5.00	2.80	2.18	---	---	---	1951
1952	---	---	---	---	---	4.27	7.35	2.89	1.41	1.32	---	---	---	1952
1953	---	---	---	---	3.98	11.8	3.52	3.44	1.40	1.45	---	---	4.26	1953
1954	---	---	---	---	---	---	2.84	4.20	1.99	2.19	---	---	---	1954
1955	---	---	---	---	0.223	1.75	3.40	2.73	1.00	1.80	---	---	1.62	1955
1956	---	---	---	---	0.807	2.38	3.34	3.03	1.88	1.93	---	---	2.21	1956
1957	---	---	---	---	0.784	2.82	2.98	2.56	0.850	1.68	---	---	2.00	1957
1958	---	---	---	---	0.791	3.56	2.63	2.19	0.806	1.59	---	---	1.88	1958
1959	---	---	---	---	0.465	2.63	2.84	2.09	0.991	1.62	---	---	1.73	1959
1960	---	---	---	---	0.226	2.36	3.64	2.85	1.87	1.67	---	---	2.08	1960
1961	---	---	---	---	0.782	2.62	3.18	2.85	1.17	2.41	---	---	2.11	1961
1962	---	---	---	---	0.811	3.84	3.85	3.23	0.880	1.59	---	---	2.30	1962
1963	---	---	---	---	1.24	3.84	2.33	3.38	1.08	1.50	---	---	2.24	1963
1964	---	---	---	---	0.749	3.56	2.85	3.01	1.66	2.48	---	---	2.40	1964
1965	---	---	---	---	0.548	3.40	2.10	3.80	1.38	1.67	---	---	2.11	1965
1966	---	---	---	---	0.817	2.64	3.83	1.88	1.08	1.62	---	---	1.88	1966
1967	---	---	---	---	1.85	1.54	2.64	2.73	2.33	2.38	---	---	2.28	1967
1968	---	---	---	---	1.15	2.35	3.24	2.38	1.20	2.08	---	---	2.07	1968
1969	---	---	---	---	0.577	2.63	2.63	3.16	1.48	2.10	---	---	2.13	1969
1970	---	---	---	---	0.673	3.66	3.23	2.85	2.82	1.08	---	---	2.43	1970
1971	---	---	---	---	0.875	2.83	3.18	3.81	2.30	1.78	---	---	2.48	1971
1972	---	---	1.42	0.481	0.982	3.78	3.76	3.80	2.83	1.82	---	---	2.82	1972
1973	---	---	0.563	0.210	1.22	4.32	---	---	1.87	1.41	---	---	---	1973
1974	---	---	0.191	2.36	0.250	2.85	4.37	5.70	2.75	2.42	---	---	3.08	1974
1975	---	---	---	---	1.54	1.53	2.33	3.81	2.03	1.47	---	---	2.12	1975
1976	---	---	---	---	1.07	4.91	3.82	3.50	1.84	1.83	---	---	2.81	1976
1977	---	---	---	---	1.07	2.04	2.20	2.32	1.08	1.82	---	---	1.70	1977
1978	---	---	0.838	0.818	0.148	1.71	2.98	3.08	1.25	1.42	---	---	1.82	1978
1979	---	---	0.874	0.367	0.151	2.41	2.62	3.10	1.85	0.805	---	---	1.85	1979
1980	---	---	0.542	0.870	2.48	3.32	3.40	2.88	2.72	2.11	---	---	2.83	1980
1981	---	---	0.858	0.348	0.678	3.05	3.48	3.14	2.97	2.83	---	---	2.88	1981
1982	---	---	0.483	0.588	0.813	2.84	3.28	3.44	2.85	2.72	---	---	2.60	1982
1983	---	---	0.478	0.214	0.887	3.18	3.78	2.85	1.84	1.44	0.303	---	2.28	1983
1984	---	---	0.110	0.128	1.47	2.81	3.01	2.48	1.21	1.01	0.084	---	1.89	1984
MEAN	---	---	0.595	0.648	0.943	3.25	3.21	3.15	1.78	1.77	0.184	---	2.30	MEAN

LOCATION - LAT 50 44 00 N DRAINAGE AREA, 498 km^2
LONG 111 41 15 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971, 1972 AND 1974

ONETREE CREEK NEAR PATRICIA - STATION NO. 05CJ005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	7.90 ON JUL 15	---	---	1952
1953	---	61.4 E ON JUN 3 *	0.884 ON MAY 23	67 900	1953
1954	---	---	---	---	1954
1955	---	4.84 ON JUL 8	0.057A ON MAY 13	29 000	1955
1956	---	18.4 ON AUG 3	0.127 ON MAY 23	35 100	1956
1957	---	4.98 ON JUN 15	0.288 ON MAY 17	31 900	1957
1958	---	7.76 ON JUN 29	0.054E ON MAY 1	31 200	1958
1959	---	9.15 ON JUN 27	0.025 ON MAY 5	27 800	1959
1960	---	5.97 ON JUL 3	0.082 ON MAY 12	32 700	1960
1961	---	8.01 ON JUL 28	0.040 ON MAY 1	33 500	1961
1962	---	7.31 ON JUN 15	0.040 ON MAY 2	38 600	1962
1963	---	11.4 ON JUN 22	0.054 ON MAY 4	35 600	1963
1964	---	8.64 ON JUN 16	0.065 ON MAY 1	38 200	1964
1965	---	8.21 ON JUN 26	0.014E ON MAY 17	33 500	1965
1966	---	5.64 ON JUL 26	0.078 ON MAY 14	30 100	1966
1967	---	4.76 ON AUG 8	0.419 ON MAY 30	36 300	1967
1968	---	5.78 ON JUL 21	0.068 ON SEP 15	32 800	1968
1969	---	8.38 ON JUN 29	0.065 ON SEP 20	33 900	1969
1970	---	12.8 ON JUN 17	0.057B ON OCT 31	38 600	1970
1971	---	5.64 ON AUG 8	0.142B ON OCT 29	39 600	1971
1972	---	5.52 ON AUG 14	0.058 ON MAY 3	44 800	1972
1973	---	20.3 ON JUN 15	---	---	1973
1974	---	9.49 ON AUG 14	0.088 ON MAY 12	48 700	1974
1975	12.0 AT 20:00 MST ON MAY 24	8.74 ON JUN 20	0.091 ON OCT 31	33 700	1975
1976	7.22 AT 01:00 MST ON AUG 4	5.97 ON AUG 4	0.058 ON MAY 2	44 600	1976
1977	---	3.43 ON AUG 18	0.057E ON MAY 1	27 100	1977
1978	8.28 AT 18:50 MST ON AUG 23	5.47 ON AUG 23	0 ON MAY 8 *	25 700	1978
1979	---	5.75 ON AUG 8	0.023 ON MAY 17	29 500	1979
1980	13.4 AT 05:00 MST ON MAY 26 *	12.1 ON MAY 26	0.090E ON MAY 1	45 000	1980
1981	8.70 AT 04:10 MST ON JUN 14	7.83 ON JUN 14	0.140 ON MAY 10	42 700	1981
1982	10.8 AT 07:28 MST ON JUL 2	10.1 ON JUL 2	0.040E ON MAY 5	41 400	1982
1983	---	7.48 ON JUL 8	0.076A ON MAY 3	36 400	1983
1984	10.4 AT 02:53 MST ON JUL 31	8.55 ON JUL 31	0.013 ON MAY 1	31 700	1984
				38 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ONETREE CREEK SPILLWAY NEAR AQUEDUCT - STATION NO. 05BN017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	0.889	0.830	0.491	0.080	0.043	0.043	---	---	0.331	1986
1987	---	---	---	---	0.066	0.830	1.36	0.486	0.086	0.044	---	---	0.480	1987
1988	---	---	---	---	0.724	0.727	0.753	0.306	0.167	0.143	---	---	0.470	1988
1989	---	---	---	---	0.683	1.22	0.837	0.507	0.139	0.086	---	---	0.545	1989
1970	---	---	---	---	1.28	0.708	0.188	0.182	0.078	0.058	---	---	0.413	1970
1971	---	---	---	---	0.480	0.852	0.824	0.288	0.013	0.087	---	---	0.434	1971
1972	---	---	---	---	0.853	0.848	0.882	0.312	0.017	0.003	---	---	0.503	1972
1973	---	---	---	---	0.884	0.481	1.18	0.324	0.082	0.084	---	---	0.500	1973
MEAN	---	---	---	---	0.717	0.787	0.798	0.303	0.080	0.089	---	---	0.480	MEAN

LOCATION - LAT 58 31 42 N
LONG 111 52 07 W
REGULATED

ONETREE CREEK SPILLWAY NEAR AQUEDUCT - STATION NO. 05BN017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	---	2.42 ON MAY 31	0 E ON MAY 1 *	5 250	1986
1987	---	2.10 ON JUL 13	0 E ON MAY 1	7 830	1987
1988	---	1.81 ON JUL 13	0.010 ON AUG 31	7 480	1988
1989	---	2.30 ON JUN 13	0.005 ON SEP 25	8 880	1989
1970	---	3.86 ON MAY 26 *	0 ON MAY 4	6 570	1970
1971	---	1.84 ON JUN 3	0 ON MAY 1	6 910	1971
1972	---	1.63 ON MAY 27	0 ON MAY 1	8 000	1972
1973	---	1.77 ON JUN 8	0 ON MAY 1	7 950	1973
				7 310	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

OTAUWAU RIVER NEAR SLAVE LAKE - STATION NO. 07BK004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	---	---	---	---	0.294	---	---	---	1922
MEAN	---	---	---	---	---	---	---	---	---	0.294	---	---	---	MEAN

LOCATION - LAT 55 16 30 N
LONG 114 24 36 W
DRAINAGE AREA, 515 km^2
NATURAL FLOW

OWL RIVER BELOW PICHE RIVER - STATION NO. 07CA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	1.87	5.08	7.27	9.81	9.19	4.15	4.89	5.13	---	---	---	1984
MEAN	---	---	1.87	5.08	7.27	9.81	9.19	4.15	4.89	5.13	---	---	---	MEAN

LOCATION - LAT 55 00 39 N DRAINAGE AREA, 3 060 km²
LONG 111 51 16 W NATURAL FLOW

OWL RIVER BELOW PICHE RIVER - STATION NO. 07CA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	20.0E ON JUN 6 *	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	1.88	0.384	0.835	---	---	---	1972
1973	---	---	0.615	5.72	7.30	7.58	3.88	2.85	2.07	3.26	---	---	4.49	1973
1974	---	---	0.203	87.7	49.4	4.48	18.7	2.10	0.815	0.830	---	---	21.3	1974
1975	---	---	0.175	13.0	8.19	2.89	8.74	3.50	4.73	0.778	---	---	5.19	1975
1976	---	---	1.75	16.2	2.42	1.77	2.03	2.83	3.37	0.835	---	---	3.84	1976
1977	---	---	0.780	12.9	17.2	19.9	9.44	5.79	3.08	2.02	---	---	8.05	1977
1978	---	---	5.14	13.1	6.07	5.15	5.86	2.21	5.63	2.17	---	---	5.65	1978
1979	---	---	10.8	23.0	22.3	14.6	25.2	2.87	0.804	0.508	---	---	12.5	1979
1980	---	---	0.284	22.5	3.05	22.1	5.88	4.11	3.83	1.50	---	---	7.78	1980
1981	---	---	5.37	11.6	4.59	8.43	1.80	1.98	0.195	0.188	---	---	4.34	1981
1982	---	---	0.088	23.5	18.6	1.29	8.88	1.80	1.87	0.585	---	---	7.16	1982
1983	---	---	0.143	8.18	1.82	3.51	12.3	0.314	0.100	0.259	---	---	3.29	1983
1984	---	---	1.51	2.51	1.87	5.87	0.540	0.124	1.27	1.44	---	---	1.89	1984
MEAN	---	---	2.47	21.1	11.9	8.03	8.74	2.54	2.44	1.20	---	---	7.29	MEAN

LOCATION - LAT 54 08 45 N DRAINAGE AREA, 2 380 km²
LONG 114 23 55 W REGULATED SINCE 1984

PADDLE RIVER AT BARRHEAD - STATION NO. 07BB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	23.9 AT 19:00 MST ON JUN 30	23.6 ON JUN 30	0.170B ON MAR 1	95 200	1973
1974	385 AT 22:30 MST ON APR 21 *	381 ON APR 21 *	0.142B ON MAR 17	481 000	1974
1975	---	36.2B ON APR 20	0.113B ON MAR 22	110 000	1975
1976	28.3 AT 22:00 MST ON APR 8	28.2 ON APR 9	0.078 ON JUL 30	81 300	1976
1977	68.0 AT 13:00 MST ON JUN 4	67.7 ON JUN 4	0.187 ON JUL 3	192 000	1977
1978	45.8B AT 15:40 MST ON APR 4	37.7 ON JUL 15	0.110B ON MAR 1	141 000	1978
1979	84.0 AT 04:25 MST ON APR 30	83.6 ON APR 30	0.115B ON MAR 4	284 000	1979
1980	48.6 AT 20:15 MST ON JUN 29	48.4 ON JUN 29	0.084B ON MAR 2	185 000	1980
1981	42.4 AT 18:40 MST ON JUN 3	40.6 ON JUN 3	0.082 ON SEP 24	82 000	1981
1982	85.6 AT 14:25 MST ON APR 23	82.2 ON APR 28	0.080B ON MAR 1	151 000	1982
1983	46.0 AT 18:25 MST ON JUL 11	46.6 ON JUL 11	0.023 ON AUG 15 *	59 600	1983
1984	25.9 AT 18:45 MST ON JUN 10	24.1 ON JUN 10	0.025 ON AUG 15	40 000	1984
				184 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	0.183	2.83	0.788	7.15	1.35	1.10	0.315	0.287	---	---	1.73	1980
1981	---	---	0.807	1.57	1.83	3.00	0.812	0.338	0.083	0.112	---	---	1.08	1981
1982	---	---	0.088	2.48	2.21	0.822	3.88	0.985	0.883	0.478	---	---	1.48	1982
1983	---	---	0.082	1.50	0.844	1.44	3.58	0.081	0.088	0.309	---	---	0.883	1983
1984	---	---	0.301	0.782	1.43	2.08	0.202	0.205	1.03	0.488	---	---	0.807	1984
MEAN	---	---	0.308	1.83	1.38	2.89	1.83	0.534	0.444	0.338	---	---	1.20	MEAN

LOCATION - LAT 53 51 28 N DRAINAGE AREA, 281 km²
LONG 115 21 45 W NATURAL FLOW

PADDLE RIVER NEAR ANSELMO - STATION NO. 07BB011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	25.8 AT 05:50 MST ON JUN 17	20.6 ON JUN 25	0.089 ON SEP 27	36 800	1980
1981	34.2 AT 09:20 MST ON JUN 1 *	31.7 ON JUN 1 *	0.014 ON SEP 13 *	22 300	1981
1982	20.8 AT 18:25 MST ON JUL 15	17.1 ON JUL 5	0.0328 ON MAR 1	30 700	1982
1983	22.0 AT 08:00 MST ON JUL 9	18.8 ON JUL 9	0.029 ON AUG 28	20 400	1983
1984	17.1 AT 20:50 MST ON JUN 8	15.0 ON JUN 8	0.0788 ON MAR 15	17 100	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		25 400	MEAN

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1963	---	---	0.145	16.7	3.74	0.532	0.736	0.025	0.010	0.036	---	---	2.70	1963
1964	---	---	0.228	2.64	2.04	0.297	0.927	1.23	1.78	0.798	---	---	1.23	1964
1965	---	---	0.116	17.2	8.85	18.3	7.11	0.501	0.889	0.535	---	---	5.76	1965
1966	---	---	1.31	10.0	2.71	0.954	0.576	0.507	0.317	0.268	---	---	2.07	1966
1967	---	---	0.031	3.48	4.54	1.48	0.057	0.027	0.003	0.006	---	---	1.20	1967
1968	---	---	2.44	0.885	1.54	0.267	0.035	0.257	0.126	0.129	---	---	0.728	1968
1969	---	---	0.085	10.7	1.70	0.430	0.506	1.54	2.75	1.10	---	---	2.37	1969
1970	---	---	0.410	5.00	1.65	0.575	4.24	0.987	0.123	0.189	---	---	1.77	1970
1971	---	---	0.208	13.1	2.11	8.11	20.0	0.583	0.321	0.363	---	---	5.71	1971
1972	---	---	1.14	8.54	7.05	7.44	0.850	0.424	0.147	---	---	---	---	1972
1973	---	---	0.602	4.12	3.74	4.48	0.937	1.51	1.12	0.902	---	---	2.19	1973
1974	---	---	0.121	28.1	10.2	0.985	5.98	0.266	0.389	0.481	---	---	5.80	1974
1975	---	---	0.127	4.20	3.88	3.87	2.22	2.08	0.888	0.304	---	---	2.17	1975
1976	---	---	0.592	5.75	0.849	0.800	0.500	1.37	1.08	0.253	---	---	1.38	1976
1977	---	---	0.173	5.38	14.7	2.97	3.59	1.29	1.85	1.23	---	---	3.81	1977
1978	---	---	2.88	3.92	3.48	3.24	5.45	1.28	5.01	0.994	---	---	3.27	1978
1979	---	---	2.99	7.77	7.45	8.51	7.74	0.415	0.273	0.567	---	---	4.21	1979
1980	---	---	0.108	8.82	1.23	14.9	2.36	2.09	1.73	0.585	---	---	3.86	1980
1981	---	---	3.80	2.44	2.53	5.29	1.75	0.816	0.181	0.231	---	---	2.11	1981
1982	---	---	0.122	9.08	4.70	0.249	5.99	1.21	1.00	0.378	---	---	2.83	1982
1983	---	---	0.088	3.42	1.08	2.86	5.85	0.325	0.081	0.314	---	---	1.89	1983
1984	---	---	0.814	1.09	1.81	3.02	0.127	0.022	1.24	1.03	---	---	1.10	1984
MEAN	---	---	0.842	7.78	4.14	4.06	3.62	0.874	0.885	0.511	---	---	2.82	MEAN

LOCATION - LAT 53 53 44 N LONG 115 02 27 W
DRAINAGE AREA, 825 km^2
REGULATED SINCE 1984

PADDLE RIVER NEAR ROCHFORT BRIDGE - STATION NO. 07BB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1963	84.7 ON APR 18	50.7 ON APR 18	0.006 ON SEP 8	57 100	1963
1964	---	14.0 ON MAY 7	0.042 ON JUL 13	26 000	1964
1965	---	122 ON JUN 28 *	0.0148 ON MAR 11	143 000	1965
1966	---	30.6 B ON APR 2	0.0578 ON MAR 1	43 800	1966
1967	---	8.03 ON MAY 8	0 ON SEP 17 *	25 300	1967
1968	---	11.8 ON MAY 7	0.005 ON JUL 17	15 400	1968
1969	---	38.6 B ON APR 11	0 ON JUL 22	50 200	1969
1970	---	20.1 ON JUL 18	0 B ON MAR 1	37 400	1970
1971	76.6 AT 05:00 MST ON JUL 12	73.6 ON JUL 12	0.170 ON SEP 7	121 000	1971
1972	---	36.8 ON JUN 28	---	---	1972
1973	---	31.1 A ON JUN 25	0.204 ON AUG 2	46 300	1973
1974	81.7A AT 00:00 MST ON APR 19 *	68.1 A ON APR 19	0.068 ON AUG 18	126 000	1974
1975	40.8 AT 22:00 MST ON JUN 28	37.1 ON JUN 28	0.1278 ON MAR 1	48 000	1975
1976	---	13.6 B ON APR 7	0.0858 ON MAR 1	35 400	1976
1977	63.0 AT 23:48 MST ON MAY 29	75.3 ON MAY 30	0.1598 ON MAR 1	82 800	1977
1978	82.1 AT 11:00 MST ON JUL 11	68.0 ON JUL 11	0.1818 ON MAR 1	89 200	1978
1979	36.8 AT 04:26 MST ON APR 26	35.7 ON APR 25	0.080 ON SEP 26	89 200	1979
1980	45.4 AT 12:55 MST ON JUN 18	42.5 ON JUN 18	0.0258 ON MAR 1	77 400	1980
1981	43.8 AT 04:30 MST ON JUN 2	38.0 ON JUN 2	0.049 ON SEP 18	44 800	1981
1982	---	36.9 ON APR 26	0 ON OCT 18	58 800	1982
1983	27.8 AT 05:20 MST ON JUL 10	27.6 ON JUL 10	0.018 ON AUG 28	40 000	1983
1984	17.8 AT 01:45 MST ON JUN 10	14.1 ON JUN 10	0 B ON MAR 1	23 200	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		59 600	MEAN

PAINTEARTH CREEK NEAR HALKIRK - STATION NO. 05FC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	---	---	0 R	---	---	---	1981
1982	---	---	0.007	0.884	0.024	0.004	0.233	0.011	0.003	0.004	---	---	0.142	1982
1983	---	---	0.502	0.037	0.011	0.848	1.32	0	0	0	---	---	0.341	1983
1984	---	---	0.181	0.011	0	0.013	0	0	0.488	0.174	---	---	0.103	1984
MEAN	---	---	0.223	0.304	0.012	0.288	0.518	0.004	0.157	0.045R	---	---	0.195	MEAN

LOCATION - LAT 52 23 00 N LONG 112 08 00 W
DRAINAGE AREA, 190 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

PAINTEARTH CREEK NEAR HALKIRK - STATION NO. 05FC004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	7.45 AT 10:02 MST ON APR 15	6.05 ON APR 15	0B ON MAR 1 *	3 000	1982
1983	12.2 AT 02:15 MST ON JUL 4 *	11.3 ON JUL 3 *	0 ON MAY 5	7 200	1983
1984	3.76 AT 21:27 MST ON SEP 22	3.13 ON SEP 22	0B ON MAR 1	2 170	1984
				4 120	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARADISE CREEK NEAR SEVEN PERSONS - STATION NO. 05AH038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	0.332	1.01	0.080	---	---	---	---	---	---	---	---	1921
1922	---	---	0.478	2.28	0.113	0	0	0	---	---	---	---	---	1922
1923	---	---	0.105	0.041	0	0.177	0.018	0.016	---	---	---	---	---	1923
1924	---	0	0	0	0	0	0	0.009	0	0	---	---	0.001	1924
1925	---	0.021	0.787	0.617	0.017	0.013	---	---	---	---	---	---	---	1925
1926	---	0	0.071	0	---	---	---	---	---	---	---	---	---	1926
1927	---	0	0.167	1.05	0.723	0.145	0.022	0.101	0	0	---	---	0.272	1927
1928	---	---	1.60	0.075	0	0.189	0.805	0	0	0	---	---	0.334	1928
1929	---	0	0.398	0.193	0.085	0.018	---	---	---	---	---	---	---	1929
1930	---	0.417	0	0	0	---	---	---	---	---	---	---	---	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0.484	---	0	0	---	---	---	---	---	---	---	1936
MEAN	---	0.083	0.388	0.478	0.104	0.085	0.188	0.025	0	0	---	---	0.202	MEAN

LOCATION - LAT 48 50 00 N DRAINAGE AREA, 224 km^2
LONG 110 51 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

PARADISE CREEK NEAR SEVEN PERSONS - STATION NO. 05AH038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	8.43 ON APR 14	0B ON MAR 10 *	---	1921
1922	---	6.10 ON APR 3 *	0B ON MAR 1	---	1922
1923	---	2.28 ON JUN 22	0B ON MAR 1	---	1923
1924	---	0.210 ON AUG 23	0 ON MAR 1	24.5	1924
1925	---	5.52 ON MAR 29	0B ON MAR 1	---	1925
1926	---	0.6179 ON MAR 4	0B ON MAR 1	---	1926
1927	---	4.58 ON MAY 29	0B ON MAR 1	5 780	1927
1928	---	8.12 ON MAR 21	0B ON MAR 1	7 060	1928
1929	---	1.01 B ON MAR 20	0B ON MAR 1	---	1929
1930	---	0.0088 ON MAR 3	0B ON MAR 1	---	1930
1931	---	---	0 ON MAR 1	---	1931
1935	---	---	0 ON SEP 1	---	1935
1936	---	2.36 B ON MAR 10	0B ON MAR 1	---	1936
				4 280	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARSLEEN CREEK NEAR CHANCELLOR - STATION NO. 05BM007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0	0	0	0	0	---	---	---	1965
1966	---	---	2.58	0.188	0	0.006	0.889	0	0	0	---	---	0.487	1966
1967	---	---	0	3.88	0.338	0.013	0	0	0	0	---	---	0.488	1967
1968	---	---	0	0	0	0	0.048	0	0.073	0	---	---	0.015	1968
1969	---	---	0	1.58	0.005	0	0	0	0	0	---	---	0.184	1969
1970	---	---	0.238	0.051	0.001	0.082	0.017	0	0	0	---	---	0.045	1970
1971	---	---	0	2.32	0.078	0.005	0	0	0	0	---	---	0.285	1971
1975	---	---	---	---	---	0.007	0	0	0	0	---	---	---	1975
1976	---	---	0.188	0.308	0.033	0	0	0	0	0	---	---	0.083	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.188	0.218	0.015	0.012	0	0	0.111	0	---	---	0.065	1978
1979	---	---	0.138	0.013	0.004	0.001	0	0	0	0	---	---	0.020	1979
1980	---	---	0	0.830	0.005	0	0	0	0	0	---	---	0.115	1980
1981	---	---	0.008	0.007	0.007	0.011	0.004	0	0	0	---	---	0.005	1981
1982	---	---	0.147	0.288	0.008	0	0	0	0	0	---	---	0.054	1982
1983	---	---	0.002	0.006	0	0	0	0	0	0	---	---	0.001	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	0.328	0.838	0.033	0.006	0.081	0	0.011	0	---	---	0.122	MEAN

LOCATION - LAT 58 58 40 N DRAINAGE AREA, 128 km^2
LONG 113 58 27 W REGULATED

PANFLESH CREEK NEAR CHANCELLOR - STATION NO. 05BH007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	0 ON MAY 21 *	---	1985
1986	---	22.2 ON MAR 28 *	0E ON MAR 1	8 870	1986
1987	---	17.6 ON APR 15	0E ON MAR 1	10 500	1987
1988	---	0.398E ON SEP 25	0 ON MAR 1	310	1988
1989	13.3 AT 10:00 MST ON APR 5	11.3 ON APR 5	0E ON MAR 1	4 110	1989
1970	2.79 AT 11:00 MST ON MAR 25	2.00 ON MAR 25	0E ON MAR 1	949	1970
1971	14.0 AT 09:00 MST ON APR 5 *	11.3 ON APR 5	0E ON MAR 1	8 240	1971
1975	---	---	0 ON JUN 10	---	1975
1976	3.34 B AT 21:00 MST ON MAR 31	2.70 B ON MAR 31	0E ON MAR 1	1 340	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	5.84 AT 01:30 MST ON MAR 31	4.59 ON MAR 31	0E ON MAR 1	1 380	1978
1979	1.02 B AT 05:00 MST ON MAR 13	0.857B ON MAR 12	0E ON MAR 1	420	1979
1980	8.41 AT 20:00 MST ON APR 13	7.15 ON APR 13	0E ON MAR 1	2 440	1980
1981	0.178 AT 00:25 MST ON JUN 4	0.138 ON JUN 4	0E ON MAR 1	100	1981
1982	---	1.96 ON APR 12	0E ON MAR 1	1 150	1982
1983	0.028 AT 05:00 MST ON APR 5	0.021 ON APR 4	0 ON MAR 1	20.1	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
				2 890	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARLBY CREEK AT ALIX - STATION NO. 05CD007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	---	0.002	0.002	0.002	---	---	---	1983
1984	---	---	0.273	0.593	0.195	0.405	0.080	0.001	0.090	0.131	---	---	---	1984
MEAN	---	---	0.273	0.593	0.195	0.405	0.080	0.002	0.048	0.067	---	---	---	MEAN

LOCATION - LAT 52 24 27 N, LONG 113 11 43 W
DRAINAGE AREA, 515 km^2
NATURAL FLOW

PARLBY CREEK AT ALIX - STATION NO. 05CD007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	0 ON AUG 24 *	---	1983
1984	---	2.128 ON APR 1 *	0 ON AUG 8	---	1984
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	0.838	0.302	0.048	0.182	0.033	0.087	---	---	---	1981
1982	---	---	---	---	4.31	0.335	0.788	0.587	0.712	0.331	---	---	---	1982
1983	---	---	---	3.15	0.887	0.278	1.15	0.377	0.011	0.002	---	---	---	1983
1984	---	---	0.132	1.20	0.231	0.527	0.025	0	0.108	0.150	---	---	0.298	1984
MEAN	---	---	0.132	2.18	1.46	0.380	0.504	0.282	0.218	0.145	---	---	0.298	MEAN

LOCATION - LAT 52 26 50 N, LONG 113 08 40 W
DRAINAGE AREA, 843 km^2
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

PARLBY CREEK NEAR MIRROR - STATION NO. 05CD902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	0 ON SEP 18 *	---	1981
1982	8.48 AT 12:53 MST ON MAY 5 *	7.53 ON MAY 4 *	---	---	1982
1983	4.38 AT 04:31 MST ON APR 5	4.17 ON APR 14	0 ON SEP 14	---	1983
1984	2.43 AT 13.40 MST ON APR 5	3.41 ON APR 5	0E ON MAR 1	8 320	1984
				8 320	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	3 370	5 340	3 780	1 580	1 240	1 370	---	---	2 770	1960
1961	---	---	---	---	3 800	5 130	2 080	788	985	1 220	---	---	2 320	1961
1962	---	---	---	---	2 240	4 620	3 840	2 320	1 080	1 170	---	---	2 580	1962
1963	---	---	---	---	4 110	4 680	3 000	1 480	1 150	1 280	---	---	2 610	1963
1964	---	---	---	---	2 880	8 620	4 330	3 580	1 380	1 470	---	---	3 880	1964
1965	---	---	---	---	3 000	5 480	3 780	1 180	1 020	1 480	---	---	2 670	1965
1966	---	---	---	---	3 630	4 830	3 790	1 670	1 400	847	---	---	2 720	1966
1967	---	---	---	---	4 280	7 370	2 400	1 080	695	1 370	---	---	2 850	1967
1968	---	---	---	---	1 120	1 580	874	351	335	428	---	---	748	1968
1969	---	---	---	---	1 610	1 140	751	733	1 230	952	---	---	1 070	1969
1974	---	---	---	---	---	---	---	---	---	1 680	1 570	---	---	1974
1975	---	---	---	---	1 800	1 840	1 120	836	941	1 060	---	---	1 280	1975
1976	---	---	---	---	1 870	2 610	2 490	3 380	1 630	1 680	---	---	2 320	1976
1977	---	---	---	---	2 170	2 560	2 200	1 570	1 220	1 560	---	---	1 880	1977
1978	---	---	---	---	1 710	1 780	838	834	605	1 080	---	---	1 200	1978
1979	---	---	---	---	1 820	2 410	2 020	1 110	1 310	1 070	---	---	1 820	1979
1980	---	---	---	---	838	1 250	918	930	1 480	1 580	---	---	1 180	1980
1981	---	---	---	---	2 480	1 570	1 100	834	1 280	1 520	---	---	1 480	1981
1982	---	---	---	---	1 850	1 510	1 230	1 310	1 330	1 480	---	---	1 480	1982
1983	---	---	---	---	1 870	1 870	3 480	1 480	1 620	1 470	---	---	1 830	1983
1984	---	---	---	---	2 280	2 480	1 730	1 580	1 720	1 810	---	---	1 840	1984
MEAN	---	---	---	---	2 430	3 480	2 280	1 420	1 180	1 330	1 570	---	2 010	MEAN

LOCATION - LAT 55 55 09 N
LONG 118 38 19 W

DRAINAGE AREA, 130 000 km²
REGULATED SINCE 1968

PEACE RIVER AT DUNVEGAN BRIDGE - STATION NO. 07FD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	7 280 ON JUL 1	838 ON OCT 6	44 100 000	1960
1961	---	8 820 ON MAY 29	834 ON AUG 30	36 800 000	1961
1962	---	7 820 ON JUN 26	807 ON SEP 30	41 000 000	1962
1963	---	6 710 ON MAY 26	877 ON SEP 6	41 400 000	1963
1964	---	11 100 ON JUN 14 *	835 ON MAY 3	58 700 000	1964
1965	---	8 830 ON JUN 30	782 ON OCT 1	42 400 000	1965
1966	---	6 610 ON JUN 13	748 ON OCT 25	43 300 000	1966
1967	---	9 030 ON JUN 4	869 ON SEP 21	46 200 000	1967
1968	---	4 280 OK JUN 14	208 ON SEP 5 *	11 800 000	1968
1969	---	2 670 ON MAY 1	818 ON JUL 15	17 000 000	1969
1974	---	---	---	---	1974
1975	2 680 AT 19:00 MST ON JUN 30	2 520 ON JUN 30	613 ON AUG 19	19 800 000	1975
1976	5 580 AT 14:30 MST ON AUG 5 *	5 410 ON AUG 6	1 270 ON SEP 8	35 900 000	1976
1977	5 220 AT 17:30 MST ON JUN 11	5 270 ON JUN 11	815 ON SEP 25	29 900 000	1977
1978	2 820 AT 01:30 MST ON JUN 1	2 680 ON JUN 1	861 ON OCT 2	18 100 000	1978
1979	3 520 AT 05:00 MST ON JUL 5	3 480 ON JUL 5	870E ON OCT 15	25 700 000	1979
1980	3 050 AT 18:00 MST ON JUN 20	2 830 ON JUN 20	870E ON MAY 28	18 400 000	1980
1981	3 250 AT 18:00 MST ON MAY 28	3 130 ON MAY 28	470E ON AUG 17	23 300 000	1981
1982	3 220 AT 21:00 MST ON JUL 16	2 860 ON JUL 17	722 ON AUG 18	23 100 000	1982
1983	5 390 AT 15:00 MST ON JUL 16	5 310 ON JUL 16	886 ON AUG 18	30 800 000	1983
1984	5 150 AT 17:30 MST ON JUN 9	4 860A ON JUN 9	860E ON SEP 5	30 800 000	1984
				32 000 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT FIFTH MERIDIAN - STATION NO. 07KA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	6 840	5 740	2 050	1 780	1 480	---	---	---	1960
1961	---	---	---	---	---	8 550	2 880	1 180	1 180	1 380	---	---	---	1961
1962	---	---	---	---	---	8 710	6 030	3 380	2 050	1 370	---	---	---	1962
1963	---	---	---	---	---	---	4 080	2 180	---	---	---	---	---	1963
1964	---	---	---	---	---	8 980	5 870	5 690	2 170	2 340	---	---	---	1964
1965	---	---	---	---	---	---	---	2 440	2 010	---	---	---	---	1965
1967	---	---	---	---	---	6 580	3 980	1 850	1 110	---	---	---	---	1967
MEAN	---	---	---	---	---	7 530	4 770	2 680	1 710	1 820	---	---	---	MEAN

LOCATION - LAT 58 39 00 N
LONG 114 01 20 W

DRAINAGE AREA, 282 000 km²
NATURAL FLOW

PEACE RIVER AT FIFTH MERIDIAN - STATION NO. 07KA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	9 850 AT 07:30 MST ON JUN 26 *	9 800 ON JUN 26	---	---	1980
1981	---	9 200E ON MAY 31	---	---	1981
1982	---	8 500E ON JUL 1	---	---	1982
1983	---	---	---	---	1983
1984	---	10 500 ON JUN 17 *	---	---	1984
1986	---	---	---	---	1986
1987	---	9 880E ON JUN 7	---	---	1987
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	944	---	---	---	---	1915
1916	283	227	276	---	---	---	---	---	---	---	---	---	---	1916
1917	---	---	---	---	---	6 400	3 510	1 500	869	910	---	---	---	1917
1918	---	---	---	---	5 300	7 880	5 810	2 250	1 270	---	---	---	---	1918
1919	---	---	---	---	2 780	6 690	6 030	2 940	1 700	---	---	---	---	1919
1920	---	---	---	---	---	7 810	6 740	2 800	1 480	2 210	---	---	---	1920
1921	---	---	---	---	---	7 210	4 650	2 100	1 630	1 650	---	---	---	1921
1922	---	---	---	---	3 770	5 840	2 230	1 070	819	---	---	---	---	1922
1981	---	---	---	---	3 610	6 890	2 780	1 050	1 190	1 800	1 090	378	---	1981
1982	381	421	286	1 220	3 300	6 250	5 930	3 200	1 770	1 310	1 420	380	2 180	1982
1983	331	328	374	---	---	5 700	3 680	1 950	1 410	1 430	887	496	---	1983
1984	338	285	248	713	3 650	9 700	5 810	5 240	1 980	2 030	1 250	267	2 620	1984
1985	322	282	307	1 680	4 280	6 580	5 930	1 750	1 530	1 870	1 220	454	2 180	1985
1986	284	348	289	1 640	4 280	5 850	4 440	2 270	1 870	1 070	---	---	---	1986
1987	---	---	---	---	---	8 800	3 420	1 820	952	1 470	---	---	---	1987
1988	---	---	---	---	1 880	3 030	1 670	1 030	855	826	---	---	---	1988
1989	---	---	---	---	---	1 820	1 280	1 080	1 640	---	---	---	---	1989
1970	---	---	---	---	2 120	2 510	1 420	1 020	788	971	---	---	---	1970
1971	---	---	---	---	2 270	3 500	3 700	1 270	1 120	1 420	---	---	---	1971
1972	---	---	---	---	4 550	5 250	3 850	2 470	1 480	1 940	---	---	---	1972
1973	---	---	---	---	3 840	3 770	2 540	1 900	1 610	1 800	---	---	---	1973
1974	---	---	---	---	4 930	3 320	2 750	2 060	1 840	1 880	---	---	---	1974
1975	---	---	---	---	2 460	2 520	2 190	838	1 180	1 200	---	---	---	1975
1976	---	---	---	---	2 810	3 370	3 890	4 400	2 280	2 040	---	---	---	1976
1977	---	---	---	---	3 210	4 180	3 020	2 190	1 650	1 860	---	---	---	1977
1978	---	---	---	---	2 400	2 830	1 790	1 280	1 330	1 500	---	---	---	1978
MEAN	321	313	294	1 280	3 430	5 300	3 750	2 050	1 380	1 540	1 170	389	2 320	MEAN

LOCATION - LAT 58 23 15 N
LONG 116 02 05 W

DRAINAGE AREA, 223 000 km^2
REGULATED SINCE 1968

PEACE RIVER AT FORT VERMILION - STATION NO. 07HF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	---	---	---	1916
1917	---	8 470 ON JUN 8	---	---	1917
1918	11 200 AT 19:00 MST ON JUN 22	11 100 ON JUN 22	---	---	1918
1919	---	8 080 ON JUN 27	---	---	1919
1920	---	9 840 ON JUN 21	---	---	1920
1921	---	8 880 ON JUN 12	---	---	1921
1922	9 340 AT 08:00 MST ON JUN 8	9 250 ON JUN 8	---	---	1922
1981	---	8 810 ON MAY 31	---	---	1981
1982	---	8 500E ON JUL 1	2210 ON MAR 21	68 100 000	1982
1983	---	---	2420 ON JAN 13	---	1983
1984	---	12 400 ON JUN 16 *	1930 ON DEC 8 *	82 800 000	1984
1985	11 800 AT 22:00 MST ON JUL 12 *	11 500 ON JUL 13	2270 ON APR 7	86 600 000	1985
1986	7 500 AT 13:00 MST ON MAY 16	7 480 ON MAY 16	---	---	1986
1987	---	10 400 ON JUN 6	---	---	1987
1988	---	8 080 ON JUN 17	---	---	1988
1989	---	2 760 ON JUN 9	---	---	1989
1970	3 710 AT 20:00 MST ON JUN 8	3 620 ON JUN 9	---	---	1970
1971	8 180 AT 17:00 MST ON JUL 15	7 980 ON JUL 15	---	---	1971
1972	10 800 AT 07:00 MST ON JUN 15	10 400 ON JUN 16	---	---	1972
1973	4 840 AT 21:00 MST ON JUN 22	4 620 ON JUN 21	---	---	1973
1974	---	---	---	---	1974
1975	4 020 AT 18:00 MST ON JUL 3	3 940 ON JUL 3	---	---	1975
1976	8 800E ON AUG 21	8 710E ON AUG 21	---	---	1976
1977	6 610 AT 17:10 MST ON JUN 13	6 340 ON JUN 13	---	---	1977
1978	---	3 820E ON JUN 8	---	---	1978
				73 200 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1959	---	---	---	---	---	---	4 730	1 820	2 420	1 680	1 410	732	---	1959
1960	456	400	437	1 230	3 780	7 190	5 280	2 260	1 880	1 480	1 080	488	2 240	1960
1961	424	400	386	863	4 480	7 290	3 180	1 330	1 130	1 480	1 280	478	1 900	1961
1962	496	474	348	984	3 480	7 030	6 650	3 460	2 180	1 510	1 410	580	2 380	1962
1963	588	482	448	---	---	---	3 990	2 280	1 680	1 600	880	418	---	1963
1964	449	392	344	861	3 710	9 780	6 270	5 680	2 220	2 250	1 400	488	2 810	1964
1965	453	460	418	1 270	4 660	7 000	6 230	1 980	1 780	1 600	1 230	635	2 370	1965
1966	498	421	374	1 420	4 850	5 950	4 860	2 720	2 130	1 280	770	612	2 170	1966
1967	634	454	432	414	4 630	6 440	4 010	1 670	1 040	1 640	778	428	2 070	1967
1968	358	408	385	775	2 280	3 230	2 040	1 140	804	745	525	393	1 090	1968
1969	384	428	434	2 400	3 210	2 150	1 390	1 100	1 590	1 820	915	907	1 380	1969
1970	807	738	767	1 380	2 370	2 800	1 760	1 220	888	1 040	988	887	1 280	1970
1971	810	915	1 010	1 540	2 520	3 240	4 150	1 430	1 240	1 490	1 100	854	1 700	1971
1972	858	885	1 080	1 400	4 780	5 150	4 130	2 740	1 550	1 900	1 800	1 270	2 300	1972
1973	1 440	1 640	1 810	2 800	4 620	4 670	3 380	2 800	2 100	2 040	1 430	858	2 430	1973
1974	788	1 000	1 130	2 480	7 140	4 070	3 360	2 470	2 070	2 270	1 830	1 480	2 520	1974
1975	1 410	1 370	1 500	1 780	2 940	3 220	2 870	1 480	1 910	1 820	1 340	1 280	1 900	1975
1976	1 350	1 370	1 480	2 450	3 300	3 510	4 520	4 680	2 590	2 120	1 840	1 130	2 520	1976
1977	1 400	1 370	981	2 090	3 610	4 620	3 380	2 520	1 740	1 980	1 620	1 210	2 210	1977
1978	1 650	1 630	1 530	1 780	2 900	3 780	2 020	1 420	1 730	1 830	1 680	1 580	1 980	1978
1979	1 520R	1 600R	1 520R	1 160R	4 400R	5 010R	3 550R	1 750R	1 640R	1 480R	1 440R	1 410R	2 210R	1979
1980	852	783	923	1 270	1 430	2 480	1 780	1 430	1 780	2 020	1 670	884	1 430	1980
1981	928	1 120	1 300	2 180	3 880	2 840	1 540	1 450	1 340	1 820	1 780	1 380	1 780	1981
1982	1 320	1 880	1 030	1 260	3 560	2 750	2 780	2 180	1 830	1 750	1 180	1 400	1 880	1982
1983	1 010	753	812	1 030	2 610	2 840	4 900	2 830	1 920	1 820	1 710	1 230	1 840	1983
1984	1 470	1 310	1 080	1 630	2 970	4 010	2 780	2 130	2 140	2 510	1 430	1 540	2 080	1984
MEAN	900R	895R	881R	1 510R	3 670R	4 700R	3 720R	2 230R	1 740R	1 710R	1 320R	940R	2 020	MEAN

LOCATION - LAT 59 08 50 N
LONG 112 28 35 W

DRAINAGE AREA, 293 000 km²
REGULATED SINCE 1968

R - REVISED SINCE JAN 1980

PEACE RIVER AT PEACE POINT - STATION NO. 07KC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1959	7 670 AT 07:00 MST ON JUL 3	7 650 ON JUL 3	---	---	1959
1960	10 900 AT 23:00 MST ON JUN 27 *	10 800 ON JUN 28	3808 ON MAR 11	70 800 000	1960
1961	8 940 AT 12:00 MST ON JUN 2	8 810 ON JUN 2	2948 ON DEC 18	58 900 000	1961
1962	10 100 AT 22:00 MST ON JUL 3	10 000 ON JUL 3	2728 ON APR 7 *	78 400 000	1962
1963	---	---	---	---	1963
1964	---	11 900 ON JUN 15 *	3098 ON MAR 27	88 900 000	1964
1965	---	10 500 ON JUL 15	3548 ON MAR 24	74 800 000	1965
1966	---	7 590 ON JUN 17	3518 ON MAR 28	88 500 000	1966
1967	---	8 320 ON JUN 8	3628 ON DEC 20	85 300 000	1967
1968	5 920 AT 17:00 MST ON JUN 18	5 830 ON JUN 18	3488 ON JAN 8	34 500 000	1968
1969	---	7 490 ON APR 25	2748 ON JAN 11	43 500 000	1969
1970	---	3 910 ON JUN 11	535 ON DEC 7	40 500 000	1970
1971	7 900 AT 12:00 MST ON JUL 17	7 820 ON JUL 17	6378 ON DEC 28	63 500 000	1971
1972	9 120 AT 24:00 MST ON JUN 17	8 810 ON JUN 18	5768 ON FEB 5	72 800 000	1972
1973	8 400 AT 18:00 MST ON JUN 22	8 340 ON JUN 22	7148 ON DEC 27	78 500 000	1973
1974	---	11 800E ON APR 28	6808 ON JAN 8	78 500 000	1974
1975	4 930 AT 04:00 MST ON JUL 6	4 670 ON JUL 8	1 150E ON DEC 17	80 000 000	1975
1976	7 480 AT 18:25 MST ON AUG 23	7 330 ON AUG 23	1 030E ON DEC 17	79 500 000	1976
1977	7 590 AT 02:50 MST ON JUN 16	6 800 ON JUN 16	6758 ON MAR 30	68 500 000	1977
1978	---	4 780E ON JUN 8	1 170 ON AUG 15	51 500 000	1978
1979	---	8 329R ON MAY 15	786RE ON DEC 31	88 700 000R	1979
1980	3 730 AT 02:48 MST ON JUN 12	3 680 ON JUN 11	5728 ON JAN 8	45 280 000	1980
1981	4 380 AT 18:55 MST ON JUN 2	4 340 ON JUN 2	7808 ON JAN 31	58 100 000	1981
1982	7 150 AT 17:55 MST ON JUL 21	6 900 ON JUL 21	9188 ON MAR 19	59 500 000	1982
1983	8 980 AT 12:44 MST ON JUL 22	8 930 ON JUL 22	5428 ON APR 14	81 000 000	1983
1984	8 520 AT 18:07 MST ON JUN 14	8 420 ON JUN 14	1 000E ON MAR 26	85 500 000	1984
				83 900 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	4 080	4 450	1 810	904	778	518	304	---	1915
1916	258	285	285	883	3 640	5 180	5 070	1 820	883	676	457	226	1 840	1916
1917	236	222	207	488	3 310	5 280	3 170	1 300	700	810	868	311	1 430	1917
1918	382	321	270	712	3 180	5 070	4 880	2 080	1 040	883	430	312	1 700	1918
1919	293	234	198	441	2 540	8 480	5 240	2 450	1 480	703	447	481	1 780	1919
1920	501	307	270	588	5 280	7 480	5 880	2 300	1 500	2 020	758	381	2 270	1920
1921	367	326	338	1 340	4 050	8 940	4 330	2 050	1 520	1 820	1 070	585	2 070	1921
1922	288	308	344	885	3 880	6 170	1 920	1 010	787	1 380	836	621	1 510	1922
1923	301	238	288	1 150	3 410	6 510	3 420	1 920	1 180	783	858	380	1 880	1923
1924	248	244	249	810	4 440	4 280	2 910	1 590	1 270	1 630	887	457	1 550	1924
1925	347	350	324	1 800	4 320	3 610	1 920	965	1 280	898	555	778	1 380	1925
1926	352	385	443	1 890	3 520	4 220	2 380	1 020	712	781	598	511	1 400	1926
1927	488	428	523	1 200	2 620	6 850	4 650	1 180	886	898	478	327	1 740	1927
1928	504	511	497	1 120	3 800	5 400	3 130	1 430	882	843	470	275	1 580	1928
1929	252	290	311	870	2 840	5 000	2 810	1 380	982	1 190	488	340	1 350	1929
1930	258	245	238	1 120	2 510	6 450	3 140	1 540	1 080	840	874	358	1 550	1930
1931	252	232	253	840	3 350	5 250	3 280	1 870	1 210	1 080	---	---	---	1931
1932	---	---	---	---	---	---	---	---	---	1 080	---	---	---	1932
1957	---	---	---	---	---	---	---	---	---	---	---	844	---	1957
1958	457	271	310	2 520	5 310	5 280	2 140	837	811	1 180	648	284	1 880	1958
1959	328	311	289	834	3 470	8 780	3 840	1 480	2 040	1 470	987	822	1 880	1959
1960	388	287	383	1 080	4 330	7 510	4 870	1 980	1 400	1 470	924	420	2 070	1960
1961	402	380	373	921	4 250	8 780	2 840	1 010	1 180	1 800	885	313	1 830	1961
1962	343	484	284	1 820	3 300	5 850	5 100	2 900	1 520	1 470	1 540	470	2 080	1962
1963	250	347	408	2 540	8 730	8 220	3 800	1 780	1 420	1 420	883	435	2 090	1963
1964	287	281	281	885	3 530	11 000	5 470	4 970	2 080	2 010	1 130	238	2 880	1964
1965	304	338	384	2 050	4 330	7 270	5 510	1 850	1 480	1 880	1 020	482	2 230	1965
1966	285	353	303	1 780	4 780	5 870	4 640	2 380	1 880	1 280	843	555	2 100	1966
1967	388	328	283	483	5 540	9 230	3 200	1 530	1 010	1 610	744	377	2 060	1967
1968	305	310	383	834	1 840	2 840	1 480	875	822	803	508	309	804	1968
1969	403	392	468	1 270	2 300	1 770	1 180	1 130	1 720	1 230	1 080	878	1 150	1969
1970	804	895	884	1 770	2 040	2 280	1 250	903	781	928	908	975	1 210	1970
1971	815	840	1 020	1 530	2 190	3 770	3 320	1 130	1 180	1 380	1 170	1 070	1 820	1971
1972	870	898	1 070	2 010	3 830	5 870	3 700	2 280	1 340	1 800	1 540	1 310	2 180	1972
1973	1 440	1 600	1 870	2 800	3 550	3 480	2 220	1 720	1 540	1 880	1 330	1 020	2 000	1973
1974	1 180	1 180	1 280	3 020	4 240	3 220	2 880	1 830	1 530	1 880	1 880	1 580	2 100	1974
1975	1 330	1 480	1 890	1 880	2 380	2 540	1 850	880	1 100	1 130	1 340	1 180	1 580	1975
1976	1 110	1 170	1 340	2 110	2 950	3 590	3 470	4 540	2 180	2 080	1 880	1 800	2 350	1976
1977	1 810	1 180	807	2 080	3 270	3 870	3 030	2 100	1 840	1 850	1 870	1 910	2 110	1977
1978	1 570	1 800	1 440	1 830	2 240	2 870	1 480	1 180	1 210	1 330	1 470	1 900	1 880	1978
1979	1 880	1 300	1 140	2 000	2 950	3 810	2 880	1 380	1 470	1 180	1 450	895	1 880	1979
1980	1 280	1 120	888	1 020	1 380	2 840	1 520	1 200	1 880	1 880	1 510	887	1 440	1980
1981	788	1 120	1 890	2 280	3 240	2 250	1 430	1 140	1 330	1 580	1 720	1 800	1 880	1981
1982	1 850R	1 700R	1 180R	1 720R	2 780R	2 540R	2 740R	2 380R	1 750R	1 710R	1 840R	1 840R	1 870R	1982
1983	1 040	834	873	1 180	2 350	2 880	4 880	1 850	1 880	1 840	1 410	1 520	1 800	1983
1984	1 380	1 050	805	1 520	2 910	3 490	2 380	1 800	2 250	2 390	1 850	1 940	1 880	1984
MEAN	853R	825R	818R	1 390R	3 440R	4 980R	3 280R	1 740R	1 330R	1 350R	1 020R	775R	1 780	MEAN

LOCATION - LAT 56 14 41 N DRAINAGE AREA, 186 000 km²
LONG 117 18 46 W REGULATED SINCE 1967

R - REVISED SINCE JAN 1980

PEACE RIVER AT PEACE RIVER - STATION NO. 07HA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	5 800 ON JUL 14	---	---	1915
1916	---	7 420 ON JUL 5	1908 ON DEC 14	52 000 000	1916
1917	---	5 280 ON JUN 6	1878 ON APR 6	45 100 000	1917
1918	---	6 010 ON JUN 20	2488 ON MAR 20	53 700 000	1918
1919	---	9 030 ON JUN 25	1808 ON MAR 28	55 300 000	1919
1920	---	8 540 ON JUN 19	2078 ON DEC 30	71 800 000	1920
1921	---	6 750 ON JUN 10	2558 ON MAR 22	65 500 000	1921
1922	---	10 600 ON JUN 6	2268 ON FEB 3	47 700 000	1922
1923	8 270 ON JUN 16	6 240 ON JUN 17	2278 ON FEB 18	53 300 000	1923
1924	---	7 580 ON MAY 19	2288 ON MAR 1	48 100 000	1924
1925	---	7 780 ON MAY 21	2638 ON JAN 13	43 800 000	1925
1926	---	6 180 ON JUN 19	3468 ON JAN 17	64 300 000	1926
1927	---	6 780 ON JUL 5	3118 ON DEC 28	54 700 000	1927
1928	---	6 680 ON JUN 2	2588 ON DEC 14	50 000 000	1928
1929	---	6 170 ON JUN 6	2498 ON JAN 28	42 800 000	1929
1930	---	9 260 ON JUN 20	2218 ON MAR 12	48 800 000	1930
1931	---	---	---	---	1931
1932	---	---	---	---	1932
1957	---	---	---	---	1957
1958	11 400 AT 13:30 MST ON MAY 31	11 200 ON MAY 31	2448 ON NOV 27	52 900 000	1958
1959	8 270 AT 15:00 MST ON JUN 28	8 180 ON JUN 7	2618 ON MAR 15	58 800 000	1959
1960	14 300 AT 09:00 MST ON JUN 23	14 000 ON JUN 23	2468 ON FEB 2	65 500 000	1960
1961	10 700 AT 07:00 MST ON MAY 29	10 700 ON MAY 29	1498 ON DEC 6 *	51 400 000	1961
1962	9 230 AT 13:00 MST ON JUN 29	9 150 ON JUN 29	1878 ON MAR 29	55 500 000	1962
1963	8 820 AT 23:00 MST ON MAY 26	8 690 ON MAY 26	2188 ON JAN 6	68 000 000	1963
1964	---	14 100 ON JUN 14 *	224 ON JAN 26	64 900 000	1964
1965	14 000 AT 03:00 MST ON JUL 11	13 300 ON JUL 11	2218 ON JAN 6	70 400 000	1965
1966	---	6 380 ON MAY 12	2378 ON JAN 3	68 100 000	1966
1967	11 400 AT 01:00 MST ON JUN 6	11 300 ON JUN 6	2738 ON MAR 15	65 000 000	1967
1968	7 310 AT 01:00 MST ON JUN 15	6 850 ON JUN 15	1868 ON NOV 20	28 800 000	1968
1969	3 710 AT 22:00 MST ON MAY 1	3 620 ON MAY 2	2428 ON JAN 1	38 400 000	1969
1970	3 770 AT 03:00 MST ON JUN 6	3 710 ON JUN 6	5758 ON JAN 31	38 100 000	1970
1971	10 100 AT 13:00 MST ON JUL 13	9 860 ON JUL 13	4868 ON JAN 14	80 800 000	1971
1972	15 800 AT 15:00 MST ON JUN 14 *	14 100 ON JUN 14	5418 ON JAN 26	89 300 000	1972
1973	4 590 AT 11:30 MST ON MAY 19	4 530 ON MAY 19	5808 ON DEC 28	63 000 000	1973
1974	---	7 260R ON APR 28	6808 ON JAN 24	58 400 000	1974
1975	4 330 AT 01:00 MST ON JUL 1	4 130 ON JUL 1	7158 ON DEC 30	48 300 000	1975
1976	7 950 AT 00:30 MST ON AUG 19	7 700 ON AUG 18	6528 ON JAN 21	74 800 000	1976
1977	8 080 AT 08:00 MST ON JUN 11	6 870 ON JUN 11	6548 ON MAR 1	68 400 000	1977
1978	3 710 AT 17:00 MST ON JUN 7	3 650 ON JUN 7	782 ON AUG 8	62 300 000	1978
1979	5 230 AT 08:30 MST ON JUN 18	5 180 ON JUN 18	6038 ON DEC 27	58 800 000	1979
1980	4 740 AT 12:00 MST ON JUN 5	4 630 ON JUN 8	4788 ON MAR 12	48 800 000	1980
1981	4 620 AT 00:00 MST ON MAY 29	4 380 ON MAY 28	5108 ON FEB 23	53 000 000	1981
1982	12 200 AT 07:30 MST ON JUL 17	10 800R ON JUL 17	1 000RB ON MAR 6	82 300 000R	1982
1983	7 410 AT 15:00 MST ON JUL 17	7 150 ON JUL 17	5008 ON MAR 3	68 700 000	1983
1984	7 000 AT 00:00 MST ON JUN 10	6 800 ON JUN 10	6498 ON MAR 18	63 000 000	1984
				58 200 000R	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PEACE RIVER NEAR CARCAJOU - STATION NO. 07HD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	---	---	---	7 380	5 500	2 080	1 430	1 480	---	---	---	1960
1961	---	---	---	---	---	6 080	2 600	1 030	1 080	1 430	---	---	---	1961
1962	---	---	---	---	3 270	5 800	5 080	2 780	1 550	1 360	---	---	---	1962
1963	---	---	---	---	---	5 580	3 530	1 790	1 330	1 410	---	---	---	1963
1964	---	---	---	---	3 640	9 530	5 390	4 870	1 850	1 980	---	---	---	1964
1965	---	---	---	---	3 880	8 230	8 140	1 720	1 540	1 400	---	---	---	1965
1966	---	---	---	---	---	5 490	4 420	2 340	1 880	---	---	---	---	1966
1967	---	---	---	---	---	6 570	3 270	1 470	944	---	---	---	---	1967
MEAN	---	---	---	---	3 830	6 830	4 480	2 280	1 470	1 610	---	---	---	MEAN

LOCATION - LAT 57 44 30 N
LONG 117 01 55 W
DRAINAGE AREA, 210 000 km^2
NATURAL FLOW

PEACE RIVER NEAR CARCAJOU - STATION NO. 07HD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	---	11 000 ON JUN 24	---	---	1960
1961	---	8 510 ON MAY 31	---	---	1961
1962	8 640 AT 03:00 MST ON JUL 1	6 500 ON JUL 1	---	---	1962
1963	---	7 670 ON MAY 26	---	---	1963
1964	---	12 100 ON JUN 18 *	---	---	1964
1965	---	11 200 ON JUL 12	---	---	1965
1966	---	---	---	---	1966
1967	10 100 AT 07:30 MST ON JUN 12 *	10 000 ON JUN 12	---	---	1967
				---	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH908

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	1.08 R	0.088R	0 R	0 R	0.119R	OR	OR	---	---	---	1982
1983	---	---	---	0.278	0	0.289	0.333	0.025	0	0	---	---	---	1983
MEAN	---	---	---	0.678R	0.044R	0.145R	0.167R	0.072R	OR	OR	---	---	---	MEAN

LOCATION - LAT 55 38 00 N
LONG 117 14 00 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH908

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	9.26R AT 01:21 MST ON APR 28 *	---	---	---	1982
1983	---	---	---	---	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		---	MEAN

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.181	0.077	0.554	0.181	0.028	0.001	0.001	0.001	---	---	0.131	1984
MEAN	---	---	0.181	0.077	0.554	0.181	0.028	0.001	0.001	0.001	---	---	0.131	MEAN

LOCATION - LAT 55 37 41 N DRAINAGE AREA, 537 km^2
LONG 117 15 29 W NATURAL FLOW

PEAVINE CREEK NEAR FALHER - STATION NO. 07GH004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	5.00 AT 13:00 MST ON MAY 22 *	4.72A ON MAY 22 *	0B ON MAR 12 *	2 770	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 770	MEAN

PEIGAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1960	---	---	2.88	0.447	0.130	0.009	0	0	0	0	---	---	0.411	1960
1961	---	---	0.083	0.001	0	0	0	0	0	0	---	---	0.011	1961
1962	---	---	0.833	0.114	0	0	0	0	0	0	---	---	0.118	1962
1963	---	---	0.646	0.239	0.005	0	2.01	0	0	0	---	---	0.388	1963
1964	---	---	0.233	1.61	0.868	0.013	0	0	0	0	---	---	0.350	1964
1965	---	---	0.306	8.32	0.313	0.888	0.415	0.001	0.024	0.032	---	---	1.24	1965
1966	---	---	3.84	1.03	0.202	0.232	0.015	0	0	0	---	---	0.888	1966
1967	---	---	1.68	3.80	2.92	0.127	0.001	0	0	0	---	---	1.08	1967
1968	---	---	0.893	0.285	0.148	0.250	0.011	0	0	0	---	---	0.181	1968
1969	---	---	1.43	3.18	0.100	0.003	0	0	0	0	---	---	0.584	1969
1970	---	---	0.881	2.04	0.101	0.084	0.015	0	0	0	---	---	0.358	1970
1971	---	---	0.420	2.35	0.151	0.045	0.004	0	0	0	---	---	0.358	1971
1972	---	---	2.33	0.147	0.026	0.002	0	0	0	0	---	---	0.316	1972
1973	---	---	0.148	0.071	0.041	0.081	0	0	0	0	---	---	0.042	1973
1974	---	---	1.10	2.28	0.239	0.026	0.005	0	0	0	---	---	0.452	1974
1975	---	---	0	2.02	2.72	0.127	0.003	0	0	0	---	---	0.606	1975
1976	---	---	1.34	0.615	0.026	0	0	0	0	0	---	---	0.246	1976
1977	---	---	0	0.080	0.016	0	0	0	0	0	---	---	0.013	1977
1978	---	---	0.503	2.56	0.887	0.071	---	0.003	0.002	0	---	---	---	1978
1979	---	---	4.07	2.15	0.928	0.129	0	0	0	0	---	---	0.810	1979
1980	---	---	0.102	0.056	0	0	0	0	0	0	---	---	0.020	1980
1981	---	0.624	0.043	0.008	0.004	0	0	0	0	0	---	---	0.007	1981
1982	---	0	0.704	3.48	0.411	1.22	0	0	0	0	---	---	0.717	1982
1983	---	0.863	0.471	0.033	0.382	0.002	0	0	0	0	---	---	0.113	1983
1984	---	0	0.012	0.157	0.003	0	0	0	0	0	---	---	0.021	1984
MEAN	---	0.322	0.888	1.48	0.428	0.124	0.103	0	0.001	0.001	---	---	0.382	MEAN

LOCATION - LAT 49 34 50 N DRAINAGE AREA, 440 km^2
LONG 110 58 30 W NATURAL FLOW

PEIGAN CREEK NEAR PAKOWKI ROAD - STATION NO. 05AH041

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1960	14.9 AT 07:30 MST ON MAR 21	12.1 ON MAR 21	0 ON MAR 1 *	8 700	1960
1961	0.603 AT 20:00 MST ON MAR 17	0.428 ON MAR 17	0B ON MAR 3	225	1961
1962	---	3.77 A ON MAR 27	0A ON MAR 1	2 530	1962
1963	40.8 E ON JUL 4 *	8.50 E ON JUL 4	0 ON MAY 19	7 750	1963
1964	---	7.87 B ON APR 1	0B ON MAR 1	7 420	1964
1965	---	38.6 B ON APR 10 *	0B ON MAR 21	26 300	1965
1966	---	15.2 B ON MAR 18	0B ON MAR 1	14 100	1966
1967	17.0 AT 10:00 MST ON MAY 7	14.4 ON MAY 7	0B ON MAR 1	22 500	1967
1968	7.88 AT 07:12 MST ON JUN 8	2.38 ON JUN 8	0 ON JUL 14	3 400	1968
1969	---	16.1 A ON APR 2	0 ON MAR 1	12 400	1969
1970	32.6 AT 15:00 MST ON APR 7	20.9 ON APR 7	0 ON MAR 1	7 580	1970
1971	8.40 AT 10:30 MST ON APR 7	7.39 ON APR 7	0B ON MAR 1	7 730	1971
1972	27.4 AT 08:00 MST ON MAR 17	20.7 ON MAR 17	0B ON MAR 1	8 680	1972
1973	2.11 B AT 07:50 MST ON MAR 8	0.810 ON JUN 18	0 ON APR 17	888	1973
1974	12.7 B AT 06:15 MST ON MAR 30	9.66 B ON MAR 30	0B ON MAR 1	8 570	1974
1975	10.1 AT 06:00 MST ON APR 23	5.84 ON MAY 7	0B ON MAR 1	12 900	1975
1976	---	1.37 B ON MAR 18	0B ON MAR 1	5 250	1976
1977	1.15 AT 13:00 MST ON APR 5	0.778 ON APR 7	0 ON MAR 1	274	1977
1978	30.3 AT 02:00 MST ON JUL 4	---	0B ON MAR 1	---	1978
1979	---	12.4 B ON MAR 12	0B ON MAR 1	18 300	1979
1980	---	0.7128 ON MAR 20	0B ON MAR 1	418	1980
1981	---	0.1608 ON MAR 2	0 ON APR 27	140	1981
1982	28.8 AT 07:44 MST ON APR 14	22.4 ON APR 14	0B ON MAR 1	15 200	1982
1983	5.20 AT 00:01 MST ON MAR 12	2.47 ON MAR 11	0 ON JUN 11	2 400	1983
1984	0.723 AT 02:11 MST ON APR 9	0.541 ON APR 9	0B ON MAR 1	448	1984
				8 080	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEKISKO CREEK AT PEKISKO - STATION NO. 05BL006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	1.38	1.87	4.08	4.18	1.31	0.824	0.787	---	---	---	1912
1913	---	---	---	---	2.10	2.57	1.88	1.32	0.851	0.780	---	---	---	1913
1914	---	---	---	---	2.01	1.84	0.632	0.136	0.185	1.11	---	---	---	1914
1915	---	---	---	0.874	6.84	7.52	4.41	---	---	1.47	---	---	---	1915
1916	---	---	---	1.70	3.41	8.52	3.78	2.46	2.16	1.97	---	---	---	1916
1917	---	---	---	---	7.85	10.7	1.26	0.474	0.381	0.421	---	---	---	1917
1918	---	---	---	0.733	1.36	1.41	0.256	0.378	0.529	0.381	---	---	---	1918
1919	---	---	0.124	0.684	1.26	0.255	0.091	0.388	0.155	0.201	---	---	0.388	1919
1923	---	---	0.103	0.671	3.88	14.8	2.28	2.04	0.730	0.411	---	---	3.06	1923
1924	---	---	0.154	0.838	2.32	5.58	0.981	1.86	0.373	0.304	---	---	1.52	1924
1925	---	---	0.243	1.58	2.28	3.82	0.651	0.454	0.878	0.948	---	---	1.32	1925
1926	---	---	0.287	1.55	0.883	3.78	1.28	0.434	4.84	2.38	---	---	1.69	1926
1927	---	---	0.387	0.969	5.32	7.78	1.86	1.88	4.12	4.51	---	---	3.35	1927
1928	---	---	1.19	1.67	2.72	4.08	3.52	0.838	0.778	0.757	---	---	1.94	1928
1929	---	---	0.388	1.08	4.26	15.0	0.653	0.134	0.151	0.188	---	---	2.70	1929
1930	---	---	0.370	2.58	3.31	2.53	0.885	0.224	0.231	0.197	---	---	1.28	1930
1931	---	---	0.148	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	0.339	1.28	3.21	5.84	1.77	0.950	1.09	1.05	---	---	1.84	MEAN

LOCATION - LAT 50 25 40 N
LONG 114 13 30 W
DRAINAGE AREA, 203 km^2
NATURAL FLOW

PEKISKO CREEK AT PEKISKO - STATION NO. 05BL006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	26.2 ON JUN 18	---	---	1912
1913	---	6.17 ON JUN 26	---	---	1913
1914	---	3.31 ON JUN 26	---	---	1914
1915	---	18.5 ON JUN 26	---	---	1915
1916	---	16.0 ON JUN 5	---	---	1916
1917	---	24.7 ON JUN 2	---	---	1917
1918	---	2.48 ON MAY 31	---	---	1918
1919	---	1.87 ON MAY 21	0.040 ON JUL 8 *	8 380	1919
1923	---	99.1 E ON JUN 1 *	0.0718 ON MAR 3	84 800	1923
1924	---	11.7 ON JUN 14	0.1228 ON MAR 18	32 200	1924
1925	---	12.4 ON JUN 11	0.1138 ON MAR 1	28 000	1925
1926	---	14.1 ON JUN 22	0.1768 ON MAR 15	40 000	1926
1927	---	18.4 ON JUN 11	0.2668 ON MAR 10	71 100	1927
1928	---	11.8 ON JUL 1	0.2838 ON MAR 1	41 100	1928
1929	---	88.0 E ON JUN 3	0.082 ON OCT 2	57 200	1929
1930	---	5.10 ON MAY 30	0.0548 ON MAR 8	27 200	1930
1931	---	0.198 ON MAR 28	0.0888 ON MAR 1	---	1931
				41 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.054	0.634	6.51	7.66	0.884	0.158	0.020	0.046	---	---	2.24	1967
1968	---	---	0.383	0.376	1.31	2.93	0.818	0.447	0.970	1.14	---	---	1.04	1968
1969	---	---	0.448	3.15	4.32	7.80	5.47	0.293	0.214	0.345	---	---	2.74	1969
1970	---	---	0.080	0.584	3.70	4.19	1.01	0.140	0.154	0.230	---	---	1.28	1970
1971	---	---	0.288	1.55	2.58	3.28	0.376	0.036	0.054	0.280	---	---	1.04	1971
1972	---	---	0.618	1.80	5.89	3.31	0.892	0.612	0.437	0.508	---	---	1.78	1972
1973	---	---	0.297	0.825	3.32	2.46	0.442	0.171	0.318	0.238	---	---	1.00	1973
1974	---	---	0.322	1.72	5.86	4.34	0.728	0.478	0.545	0.553	---	---	1.61	1974
1975	---	---	0.132	1.05	5.05	5.23	2.86	0.800	0.228	0.250	---	---	1.95	1975
1976	---	---	0.284	0.890	2.22	0.871	0.218	4.53	0.580	0.278	---	---	1.24	1976
1977	---	---	0.347	0.402	0.886	0.314	0.078	0.880	0.588	0.483	---	---	0.441	1977
1978	---	---	0.567	1.21	3.82	3.82	1.81	0.772	0.854	0.404	---	---	1.80	1978
1979	---	---	0.461	1.38	3.93	1.89	0.488	0.298	0.204	0.129	---	---	1.07	1979
1980	---	---	0.136	1.50	2.05	3.67	0.381	0.385	0.642	0.582	---	---	1.18	1980
1981	---	---	0.315	0.353	7.18	5.10	1.71	0.722	0.128	0.200	---	---	1.88	1981
1982	---	---	0.023	0.641	1.00	2.75	0.838	0.063	0.112	0.227	---	---	0.888	1982
1983	---	---	0.180	1.25	2.15	1.08	0.310	0.041	0.018	0.038	---	---	0.831	1983
1984	---	---	0.141	0.324	0.736	0.859	0.135	0.004	0.005	0.017	---	---	0.288	1984
MEAN	---	---	0.280	1.09	3.58	3.40	1.09	0.580	0.324	0.329	---	---	1.33	MEAN

LOCATION - LAT 50 28 28 N DRAINAGE AREA, 232 km²
LONG 114 12 20 W NATURAL FLOW

PEKISKO CREEK NEAR LONGVIEW - STATION NO. 05BL023

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	53.8 AT 01:00 MST ON MAY 31	43.6 ON MAY 31	0 B ON MAR 1 *	47 400	1967
1968	7.56 AT 12:20 MST ON JUN 9	6.89 ON JUN 10	0.227 ON AUG 11	22 000	1968
1969	---	48.7 ON JUN 29 *	0 ON SEP 1	58 100	1969
1970	26.6 AT 03:09 MST ON JUN 14	19.5 ON JUN 14	0.0318 ON MAR 7	26 600	1970
1971	14.6 AT 01:00 MST ON JUN 7	12.0 ON JUN 7	0.005 ON AUG 22	22 100	1971
1972	13.6 AT 11:30 MST ON MAY 25	11.8 ON MAY 25	0 B ON MAR 1	37 700	1972
1973	11.1 AT 07:00 MST ON MAY 26	9.85 ON MAY 26	0.042 ON AUG 29	21 300	1973
1974	13.2 AT 05:30 MST ON APR 27	10.2 ON MAY 27	0.051 ON AUG 8	34 300	1974
1975	28.7 AT 10:00 MST ON JUN 20	23.3 ON JUN 20	0.083 ON SEP 16	41 200	1975
1976	66.3 AT 22:00 MST ON AUG 5 *	28.9 ON AUG 6	0.054A ON JUL 26	26 200	1976
1977	2.48B AT 08:00 MST ON APR 5	1.57 ON AUG 23	0.018 ON JUL 25	8 320	1977
1978	8.21 AT 08:00 MST ON MAY 31	7.85 ON MAY 31	0.138B ON MAR 3	33 900	1978
1979	6.50 AT 01:00 MST ON MAY 17	6.16 ON MAY 25	0.073 ON OCT 5	22 700	1979
1980	10.2 AT 01:00 MST ON JUN 4	8.74 ON JUN 4	0.0708 ON MAR 5	24 800	1980
1981	24.8 AT 01:30 MST ON MAY 22	20.2 ON MAY 22	0.017 ON SEP 19	41 500	1981
1982	4.87 AT 06:58 MST ON JUN 10	4.77 ON JUN 10	0 B ON MAR 1	14 800	1982
1983	9.57 AT 08:53 MST ON APR 25	7.43 ON APR 25	0 ON SEP 2	13 400	1983
1984	2.26 AT 16:37 MST ON MAY 18	1.85 ON MAY 17	0 ON JUL 26	8 120	1984
MEAN				28 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	18.4	17.5	---	---	---	1957
1958	---	---	5.12	104	60.7	30.0	51.1	10.4	7.84	6.30	---	---	---	1958
1959	---	---	3.78	19.6	26.6	49.5	36.9	13.9	18.4	17.5	---	---	---	1959
1960	---	---	13.6	37.8	58.0	42.7	72.6	13.7	8.83	8.46	---	---	---	1960
1961	---	---	6.76	26.8	26.3	15.1	11.9	20.5	5.57	8.38	4.76	2.07	---	1961
1962	2.28	1.72	1.64	80.4	89.5	61.2	40.4	39.4	34.1	20.7	16.9	8.34	30.8	1962
1963	6.27	3.83	2.72	120	120	40.4	19.2	8.62	7.34	8.30	2.28	1.88	28.3	1963
1964	1.83	2.37	4.48	9.07	63.2	37.3	36.9	28.2	57.2	57.7	17.1	8.38	27.3	1964
1965	8.83	4.44	6.09	153	181	168	321	58.2	52.3	33.4	19.2	13.3	68.1	1965
1966	5.59	5.85	6.13	77.8	85.2	42.3	54.3	81.4	44.2	21.7	12.8	8.85	35.4	1966
1967	5.07	4.78	4.39	41.0	76.0	58.2	16.7	14.2	4.16	4.71	3.82	0.858	19.7	1967
1968	0.824	0.884R	19.8 R	19.0 R	34.7	30.5R	19.4R	40.1	21.9 R	12.4	7.05	3.07	17.8R	1968
1969	1.66	1.65	1.79	76.7	49.9	17.7	76.9	107	55.3	43.4	18.5	13.7	36.9	1969
1970	5.42	5.24	4.47	93.0	52.9	43.5	24.8	18.1	8.56	8.32	4.31	2.18	22.0	1970
1971	1.80	1.63	2.22	104	81.1	117	278	55.3	23.9	23.9	13.0	8.77	58.7	1971
1972	5.01	4.24	6.38	140	117	112	111	38.4	20.5	22.3	14.1	7.32	50.7	1972
1973	5.38	5.89	6.87	87.1	87.9	62.5	41.9	34.5	33.1	21.0	14.4	8.83	31.4	1973
1974	5.03	3.78	5.10	308	289	73.6	118	32.3	22.1	17.5	11.7	8.84	74.5	1974
1975	5.01	4.38	3.88	27.2	81.0	28.1	71.4	30.3	25.6	10.2	5.33	3.87	22.3	1975
1976	4.37	4.72	7.92	84.0	29.8	20.4	25.8	32.8	22.3	10.8	8.00	4.82	21.0	1976
1977	4.78	4.30	4.48	46.9	136	144	59.9	45.8	53.3	38.8	12.9	10.2	46.8	1977
1978	7.84	8.68	18.3	86.2	81.3	84.7	78.3	28.2	70.0	40.5	18.9	12.6	42.0	1978
1979	8.78	8.01	37.7	102	116	74.4	101	32.0	13.8	12.7	8.86	8.11	43.4	1979
1980	4.86	4.18	4.48	83.9	47.2	237	135	57.2	80.1	37.1	20.8	15.8	58.8	1980
1981	10.8	8.38	31.4	86.4	83.3	86.4	35.6	37.1	11.8	10.9	8.64	4.36	28.8	1981
1982	3.01	1.11	4.00	93.8	108	39.1	202	42.9	34.6	28.4	12.9	9.14	46.3	1982
1983	8.23	8.88	8.81	37.8	35.9	31.0	105	23.8	11.0	8.78	8.11	4.70	26.1	1983
1984	8.17	8.20	8.86	26.5	48.1	80.1	14.1	8.00	26.5	27.4	13.1	8.31	19.8	1984
MEAN	4.83	4.20 R	8.43R	77.1 R	80.7	68.0R	80.0R	34.6	27.1 R	20.8	11.6	7.01	38.1	MEAN

LOCATION - LAT 54 27 05 N DRAINAGE AREA, 13 100 km²
LONG 113 58 30 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PEMBINA RIVER AT JARVIE - STATION NO. 07BC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	---	---	1957
1958	188 AT 10:30 MST ON JUL 3	182 B ON APR 12	---	---	1958
1959	118 AT 08:00 MST ON JUL 2	114 ON JUL 2	---	---	1959
1960	191 AT 21:00 MST ON JUL 6	188 ON JUL 6	---	---	1960
1961	73.3 AT 13:00 MST ON AUG 4	70.2 ON AUG 4	---	---	1961
1962	---	148 ON APR 22	0.7938 ON APR 2	874 000	1962
1963	---	351 ON APR 21	0.8168 ON NOV 18	891 000	1963
1964	215 AT 09:00 MST ON MAY 11	211 ON MAY 11	1.21 B ON JAN 1	862 000	1964
1965	---	549 ON JUL 4	3.57 B ON FEB 15	2 880 000	1965
1966	243 AT 04:00 MST ON AUG 10	240 ON AUG 10	4.25 B ON FEB 3	1 120 000	1966
1967	---	187 B ON APR 29	0.8608 ON DEC 26	822 000	1967
1968	84.3 AT 01:00 MST ON AUG 12	83.7 ON AUG 12	0.5388 ON FEB 20 *	553 000R	1968
1969	394 AT 18:34 MST ON AUG 10	385 ON AUG 10	1.56 B ON JAN 9	1 220 000	1969
1970	---	280 B ON APR 15	1.56 B ON NOV 30	885 000	1970
1971	518 AT 22:30 MST ON JUL 16	518 ON JUL 16	1.53 B ON JAN 13	1 880 000	1971
1972	478 AT 00:30 MST ON JUL 1	470 ON JUL 1	4.08 B ON MAR 11	1 800 000	1972
1973	130 AT 23:00 MST ON MAY 10	126 ON MAY 11	3.95 B ON MAR 22	980 000	1973
1974	983 A AT 12:15 MST ON APR 24 *	974 A ON APR 24 *	3.34 B ON FEB 4	2 350 000	1974
1975	---	183 A ON JUL 3	3.11 B ON DEC 19	704 000	1975
1976	---	156 B ON APR 8	3.34 B ON JAN 1	885 000	1976
1977	411 AT 15:30 MST ON JUN 3	408 ON JUN 3	2.28 B ON FEB 5	1 480 000	1977
1978	214 AT 01:50 MST ON JUL 16	210 ON JUL 15	5.24 B ON MAR 8	1 320 000	1978
1979	258 AT 03:40 MST ON APR 27	251 ON APR 27	3.21 B ON FEB 8	1 370 000	1979
1980	585 AT 15:00 MST ON JUN 10	580 ON JUN 10	2.95 B ON MAR 12	1 880 000	1980
1981	---	147 B ON APR 8	2.05 B ON DEC 31	904 000	1981
1982	---	457 ON JUL 9	0.8308 ON FEB 14	1 520 000	1982
1983	---	220 A ON JUL 12	4.50 B ON DEC 15	758 000	1983
1984	92.7 AT 15:32 MST ON JUN 13	91.6 ON JUN 13	4.10 B ON MAR 18	830 000	1984
				1 200 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1956	---	---	---	18.8	19.0	18.4	8.87	8.88	---	---	---	---	---	1956
1957	---	---	---	15.1	30.0	16.7	13.4	14.4	13.8	---	---	---	---	1957
1958	---	---	2.39	19.1	47.3	28.9	34.9	8.98	5.32	4.12	---	---	18.8	1958
1959	---	---	1.33	7.43	21.9	51.6	19.0	7.86	8.55	11.2	---	---	18.1	1959
1960	---	---	3.20	14.8	40.4	32.1	34.4	7.19	5.75	6.17	---	---	18.0	1960
1961	---	---	2.06	3.75	21.4	8.70	17.8	14.2 R	4.23	5.70R	---	---	8.92R	1961
1962	---	---	1.81	25.1	31.3	18.8	24.4	19.6	21.8	6.92	---	---	19.0	1962
1963	---	---	2.70	48.2	46.3	18.1	9.93	4.88	8.01	3.65	---	---	17.4	1963
1964	---	---	1.83	5.68	50.8	33.9	26.8	16.6	53.8	28.6	---	---	27.2	1964
1965	---	---	2.42	25.2	62.0	88.6	118	16.7	34.8	16.1	---	---	48.6	1965
1966	---	---	1.83	10.3	36.5	19.7	40.9	70.6	21.0	13.8	---	---	28.9	1966
1967	---	---	1.83	11.9	38.2	34.6	11.0	8.48	3.23	3.48	---	---	13.5	1967
1968	---	---	4.52R	8.58R	31.9	21.5	20.8	32.2	14.5	7.49	---	---	17.4 R	1968
1969	---	---	1.89	22.8	20.8	17.0	59.6	73.1	26.4	20.5	---	---	30.3	1969
1970	---	---	2.77	7.97	29.5	33.8	14.1	8.18	5.10	4.14	---	---	13.2	1970
1971	---	---	1.80	25.1	28.8	75.8	92.6	12.4	7.21	8.89	---	---	31.5	1971
1972	---	---	2.62	11.7	50.5	86.1	43.8	17.1	13.2	23.7	---	---	32.2	1972
1973	---	---	3.45	28.6	68.3	25.3	15.8	20.4	8.42	8.01	---	---	22.6	1973
1974	---	---	3.00	41.9	85.7	24.4	30.8	12.7	10.5	10.2	---	---	27.4	1974
1975	---	---	1.82	8.77	24.0	16.3	23.2	7.34	5.88	3.44	---	---	11.4	1975
1976	---	---	2.47	16.9	15.5	17.2	15.1	27.0	10.5	5.86	---	---	14.0	1976
1977	---	---	2.11	9.70	88.4	42.6	22.4	28.3	36.2	15.8	---	---	30.7	1977
1978	---	---	3.47	13.8	37.0	61.7	38.4	13.0	39.3	15.4	---	---	27.4	1978
1979	---	---	3.77	9.74	38.7	24.6	14.0	8.88	4.48	5.02	---	---	13.4	1979
1980	---	---	2.08	27.3	28.9	149	69.1	30.4	34.3	14.3	---	---	44.2	1980
1981	---	---	4.04	11.3	33.1	28.7	28.9	18.5	7.33	8.81	---	---	17.1	1981
1982	---	---	1.88	8.16	31.1	21.0	120	15.5	15.4	21.7	---	---	29.5	1982
1983	---	---	2.88	12.2	19.3	22.7	43.6	8.58	4.74	4.80	---	---	14.8	1983
1984	---	---	2.57	9.88	35.9	23.4	8.98	3.49	19.9	14.2	---	---	13.1	1984
MEAN	---	---	2.53R	16.5 R	37.9	37.4	35.0	18.2 R	15.6	10.8 R	---	---	22.3	MEAN

LOCATION - LAT 53 07 47 N
LONG 115 18 30 W
DRAINAGE AREA, 2 800 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

PEMBINA RIVER BELOW PADDY CREEK - STATION NO. 07BA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1956	---	47.0 B ON APR 22	---	---	1956
1957	---	83.0 ON MAY 2	---	---	1957
1958	---	170 E ON JUN 30	2.18 B ON MAR 22	387 000	1958
1959	134 AT 11:30 MST ON JUN 28	126 ON JUN 28	0.6235 ON MAR 1 *	342 000	1959
1960	114 AT 18:30 MST ON JUL 3	112 ON JUL 3	1.42 B ON MAR 1	380 000	1960
1961	---	73.5 ON JUL 31	1.87 B ON MAR 12	210 000R	1961
1962	---	80.6 ON MAY 21	1.13 E ON MAR 1	401 000	1962
1963	---	116 ON APR 30	2.07 B ON MAR 24	388 000	1963
1964	---	190 ON MAY 8	0.7858 ON MAR 21	578 000	1964
1965	---	374 ON JUN 1	1.73 B ON MAR 25	987 000	1965
1966	---	280 ON AUG 6	1.70 B ON MAR 1	571 000	1966
1967	---	83.4 ON JUN 10	1.56 B ON MAR 16	287 000	1967
1968	---	58.9 ON AUG 1	3.26 RB ON MAR 16	368 000R	1968
1969	588 AT 13:06 MST ON AUG 7	498 ON AUG 7	1.42 B ON MAR 11	842 000	1969
1970	182 AT 10:34 MST ON JUN 17	166 ON JUN 17	2.27 B ON OCT 29	278 000	1970
1971	247 AT 21:00 MST ON JUL 12	243 ON JUL 12	1.76 B ON MAR 1	687 000	1971
1972	612 A AT 24:00 MST ON JUN 26	541 A ON JUN 26	1.50 B ON MAR 1	682 000	1972
1973	92.9 AT 22:40 MST ON MAY 16	85.2 ON MAY 7	3.11 B ON MAR 1	477 000	1973
1974	141 AT 13:30 MST ON APR 29	140 ON APR 29	2.63 B ON MAR 1	581 000	1974
1975	78.2 AT 22:00 MST ON JUN 30	74.5 ON JUN 30	1.33 B ON APR 7	241 000	1975
1976	87.2 AT 04:00 MST ON AUG 16	84.9 ON AUG 16	2.32 B ON MAR 1	297 000	1976
1977	208 AT 21:00 MST ON MAY 30	192 ON MAY 31	2.10 B ON MAR 10	650 000	1977
1978	135 AT 00:30 MST ON JUL 13	116 ON JUL 13	2.37 B ON MAR 1	578 000	1978
1979	89.2 AT 01:40 MST ON MAY 2	81.5 ON MAY 19	2.07 B ON MAR 1	384 000	1979
1980	831 ON JUN 6 *	588 A ON JUN 6 *	1.91 B ON MAR 1	834 000	1980
1981	87.6 AT 11:50 MST ON JUL 31	82.3 ON JUL 31	2.76 B ON MAR 1	382 000	1981
1982	396 AT 17:10 MST ON JUL 6	361 ON JUL 6	1.88 B ON APR 1	624 000	1982
1983	83.6 AT 12:30 MST ON JUL 4	82.6 ON JUL 4	2.82 B ON MAR 1	308 000	1983
1984	83.2 AT 08:20 MST ON MAY 18	81.7 ON MAY 18	1.84 B ON MAR 1	277 000	1984
				473 000R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PEMBINA RIVER NEAR DAPP - STATION NO. 07BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	2.87	2.08	1.13	---	---	---	---	---	---	---	---	---	---	1931
MEAN	2.87	2.08	1.13	---	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 58 21 20 N
LONG 114 00 40 W
DRAINAGE AREA, 12 100 km^2
NATURAL FLOW

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	132	44.0	8.82	8.07	7.65	4.25	1.87	---	1914
1915	1.13	0.832	1.07	14.4	11.6	133	138	25.5	12.2	13.4	6.17	2.20	30.2	1915
1916	1.24	1.24	1.02	12.5	28.5	30.3	87.2	28.5	22.9	16.0	10.7	3.55	18.8	1916
1917	2.48	2.02	1.70	11.3	177	72.1	30.7	11.9	11.6	11.6	8.10	3.40	28.9	1917
1918	3.55	2.38	2.32	26.0	35.7	28.9	24.0	10.5	7.57	7.54	4.23	2.25	13.5	1918
1919	1.22	0.448	0.372	10.3	13.0	14.7	4.59	7.09	48.6	9.02	7.49	4.12	10.1	1919
1920	2.76	1.76	1.08	5.63	184	55.4	17.5	18.5	10.1	9.40	3.68	0.870	27.0	1920
1921	1.88	3.48	3.80	34.8	84.1	31.3	16.2	14.3	8.74	6.95	4.71	3.31	17.9	1921
1922	1.46	0.982	0.036	11.5	40.6	9.18	12.4	7.83	5.25	4.33	3.62	0.841	8.15	1922
1923	0.275	0.152	---	---	---	---	---	---	---	---	---	---	---	1923
1924	---	---	---	---	---	---	---	---	---	---	---	---	---	1924
1925	---	---	---	---	---	---	---	---	---	---	15.5	6.56	---	1924
1926	2.22	2.68	3.35	27.8	86.7	40.3	18.8	8.52	4.49	5.23	1.83	1.15	17.1	1925
1926	1.22	2.82	2.71	27.1	26.0	27.3	12.5	12.3	8.90	4.49	3.74	2.23	10.9	1926
1927	1.81	1.67	1.35	19.4	39.6	17.6	13.4	14.6	14.1	12.6	11.0	6.86	12.9	1927
1928	2.10	3.67	7.33	33.2	43.5	38.9	36.5	8.86	4.41	3.37	2.26	1.82	15.6	1928
1929	1.07	0.522	1.83	8.37	19.6	64.2	24.7	9.40	13.8	13.4	8.31	4.18	13.1	1929
1930	2.89	2.86	6.43	18.7	86.2	38.2	80.1	7.21	8.43	8.33	3.19	1.37	18.7	1930
1931	1.12	1.67	1.18	5.86	25.5	10.6	13.0	17.8 R	4.61R	8.26R	4.85	1.87	7.03R	1931
1932	1.88	1.50	1.82	38.1	48.6	29.3	28.6	28.1	27.0	11.8	9.48	7.[illegible]	19.7	1932
1933	2.18	1.83	2.05	86.0	87.4	23.3	13.1	6.71	5.73	4.84	2.71	1.39	15.6	1933
1934	1.83	2.13	1.84	7.08	84.7	39.3	38.3	22.0	86.4	38.6	10.2	3.88	24.7	1934
1935	1.03	2.10	2.32	48.3	80.3	132	173	14.5	27.7	14.1	8.20	3.75	42.4	1935
1936	2.20	3.87	4.40	17.7	45.7	25.0	48.5	80.6	27.1	13.8	3.84	5.81	23.2	1936
1937	3.21	2.42	3.85	12.6	82.7	48.9	10.5	8.48	4.03	4.40	3.84	1.28	12.8	1937
1938	1.04	0.847R	8.28 R	7.65R	32.0R	24.6	22.0	38.7	18.7	10.8	8.27	2.88	14.4 R	1938
1939	1.82	0.869	1.14	34.5	30.5	17.8	70.6	88.6	34.8	27.1	11.1	8.10	27.5	1939
1940	2.48	1.96	3.11	14.4	34.1	37.8	15.2	8.85	5.84	5.30	2.32	2.03	11.1	1940
1941	1.84	2.31	2.87	45.7	38.4	80.3	145	13.8	7.84	10.5	8.80	3.17	30.6	1941
1942	2.01	1.84	2.83	22.9	88.6	121	82.8	20.0	13.9	24.4	10.5	8.81	28.8	1942
1943	4.43	3.83	3.88	38.4	82.4	34.3	24.6	28.9	12.2	10.6	8.87	3.88	21.2	1943
1944	3.14	3.43	3.83	78.8	126	38.0	48.6	15.8	11.8	10.1	8.41	2.82	28.0	1944
1945	2.63	2.78	2.83	8.73	35.9	22.8	35.2	8.27	7.83	4.72	2.32	1.88	11.5	1945
1946	2.80	2.36	2.48	28.4	20.7	18.4	18.5	28.1	12.4	8.33	3.85	3.17	12.2	1946
1947	2.84	2.20	2.13	12.6	112	61.2	26.6	28.4	36.8	20.2	8.03	4.08	28.8	1947
1948	3.22	2.83	5.01	19.3	49.2	61.3	86.3	17.8	46.4	21.0	10.1	8.48	26.5	1948
1949	2.68	2.18	7.41	27.1	81.8	33.4	24.6	11.9	8.48	7.01	3.87	3.15	18.1	1949
1950	2.73	2.37	2.38	38.2	38.8	210	88.6	38.0	41.8	20.1	8.70	8.15	41.1	1950
1951	3.88	2.86	8.68	14.4	41.8	40.0	28.1	24.4	8.87	8.07	8.00	1.85	18.7	1951
1952	1.84	1.83	2.11	18.3	47.0	37.5	178	20.8	20.4	23.8	7.41	3.48	38.4	1952
1953	3.24	2.83	3.22	21.4	24.7	23.9	86.5	8.81	8.19	4.87	4.68	2.23	14.4	1953
1954	2.18	2.86	3.70	14.3	38.8	28.4	7.85	3.80	24.8	19.3	8.38	4.48	12.8	1954
MEAN	2.17	2.08 R	3.08 R	23.6 R	85.8R	48.8	44.8	19.8 R	17.1 R	11.8 R	8.14	3.43	18.8	MEAN

LOCATION - LAT 53 38 16 N DRAINAGE AREA, 4 420 km²
LONG 115 00 14 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PEMBINA RIVER NEAR ENTWISTLE - STATION NO. 07BB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	490 ON JUN 9	---	---	1914
1915	---	459 ON JUN 29	0.2859 ON FEB 2	853 000	1915
1916	---	206 ON JUL 4	1.08 B ON FEB 6	595 000	1916
1917	---	378 ON MAY 19	1.56 B ON FEB 23	812 000	1917
1918	---	73.8 ON APR 17	0.4218 ON DEC 30	430 000	1918
1919	---	141 ON SEP 8	0.1428 ON MAR 8	317 000	1919
1920	---	311 E ON MAY 9	0.2838 ON DEC 28	853 000	1920
1921	---	110 ON MAY 17	0.3118 ON JAN 5	504 000	1921
1922	---	77.9 ON MAY 16	0 B ON FEB 13 *	267 000	1922
1923	---	---	0 B ON JAN 16	---	1923
1924	---	---	---	---	1924
1925	---	144 ON MAY 24	0.5858 ON DEC 29	536 000	1925
1926	---	74.58 ON APR 23	0.4818 ON JAN 5	346 000	1926
1927	---	115 ON MAY 2	0.6518 ON MAR 9	408 000	1927
1928	---	202 ON JUN 30	0.4818 ON NOV 25	493 000	1928
1929	136 AT 03:00 MST ON JUN 29	123 ON JUN 19	0.3408 ON FEB 22	413 000	1929
1930	---	152 ON JUL 3	0.5888 ON DEC 19	529 000	1930
1931	---	98.5 ON JUL 31	0.3118 ON MAR 22	250 000R	1931
1932	---	86.3 ON AUG 6	1.08 B ON FEB 6	522 000	1932
1933	---	178 ON MAY 1	0.5088 ON DEC 6	496 000	1933
1934	---	236 ON MAY 8	0.6408 ON MAR 25	782 000	1934
1935	---	584 ON JUL 12	0.5348 ON MAR 8	1 340 000	1935
1936	288 AT 11:00 MST ON AUG 7	285 ON AUG 7	1.27 B ON JAN 27	733 000	1936
1937	89.8 AT 12:00 MST ON JUN 11	85.5 ON JUN 12	0.850 ON DEC 15	403 000	1937
1938	86.0 AT 15:11 MST ON AUG 8	84.6 ON AUG 8	0.7088 ON FEB 5	456 000R	1938
1939	549 AT 05:08 MST ON AUG 8	447 ON AUG 8	0.8508 ON FEB 15	888 000	1939
1940	203 AT 01:27 MST ON JUN 18	175 ON JUN 18	1.27 B ON NOV 29	380 000	1940
1941	438 AT 18:00 MST ON JUL 11	430 ON JUL 12	1.70 B ON JAN 24	872 000	1941
1942	887 AT 17:00 MST ON JUN 27	883 ON JUN 27	1.18 B ON MAR 3	810 000	1942
1943	106 AT 03:00 MST ON MAY 8	103 ON MAY 8	2.56 B ON DEC 17	887 000	1943
1944	227 AT 03:10 MST ON APR 28	221 ON APR 28	2.38 B ON DEC 30	918 000	1944
1945	124 AT 01:00 MST ON JUL 1	123 ON JUL 1	1.37 B ON NOV 19	384 000	1945
1946	89.7 AT 01:40 MST ON AUG 19	87.5 ON AUG 19	2.12 B ON NOV 23	385 000	1946
1947	314 AT 11:20 MST ON MAY 31	306 ON MAY 31	1.74 B ON MAR 2	838 000	1947
1948	182 AT 18:20 MST ON JUL 13	182 ON JUL 13	2.10 B ON JAN 18	837 000	1948
1949	70.7 AT 23:10 MST ON MAY 2	68.6 ON MAY 12	1.38 B ON JAN 28	478 000	1949
1950	782 AT 03:50 MST ON JUN 7 *	718 ON JUN 8 *	2.10 B ON MAR 4	1 200 000	1950
1951	86.1 AT 08:28 MST ON AUG 1	82.0 ON AUG 1	1.37 B ON DEC 28	495 000	1951
1952	593 AT 04:28 MST ON JUL 7	558 ON JUL 7	1.41 B ON JAN 1	826 000	1952
1953	137 AT 20:00 MST ON JUL 9	126 ON JUL 9	2.20 B ON DEC 9	453 000	1953
1954	80.8 AT 07:40 MST ON MAY 19	78.8 ON MAY 19	1.90 B ON MAR 10	409 000	1954
				828 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PEYTO CREEK AT PEYTO GLACIER - STATION NO. 05DA008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	1.20	4.27	3.47	---	---	---	---	---	1967
1968	---	---	---	---	---	---	5.08	4.34	1.87	---	---	---	---	1968
1969	---	---	---	---	---	3.98	3.98	---	---	---	---	---	---	1969
1970	---	---	---	---	---	4.54	---	---	---	---	---	---	---	1970
1971	---	---	---	---	---	1.98	5.38	3.70	1.12	---	---	---	---	1971
1972	---	---	---	---	0.157	3.55	4.80	3.15	1.28	---	---	---	---	1972
1973	---	---	---	---	---	2.03	4.70	4.87	2.37	---	---	---	---	1973
1974	---	---	---	---	---	3.58	5.58	5.07	3.41	---	---	---	---	1974
1975	---	---	---	---	---	1.17	5.97	---	0.777	---	---	---	---	1975
1976	---	---	---	---	---	1.08	3.60	---	---	---	---	---	---	1976
1977	---	---	---	---	---	2.50	3.73	---	---	---	---	---	---	1977
MEAN	---	---	---	---	0.157	2.58	4.71	5.07	1.81	---	---	---	---	MEAN

LOCATION - LAT 51 41 37 N
LONG 116 32 08 W
DRAINAGE AREA, 23.6 km^2
NATURAL FLOW

PEYTO CREEK AT PEYTO GLACIER - STATION NO. 05DA008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	9.71 ON AUG 14	---	---	1967
1968	17.4 AT 21:52 MST ON JUL 11	13.4 ON JUL 12	---	---	1968
1969	16.1 AT 15:40 MST ON JUN 20	9.88 ON JUN 20	---	---	1969
1970	---	12.3 ON AUG 28	---	---	1970
1971	31.1 AT 19:20 MST ON AUG 8 *	15.9 ON AUG 2 *	---	---	1971
1972	14.8 AT 00:30 MST ON AUG 30	10.0 ON AUG 7	---	---	1972
1973	---	8.13 ON JUL 21	---	---	1973
1974	13.0 AT 14:00 MST ON AUG 8	10.9 ON AUG 5	---	---	1974
1975	---	10.2 ON JUL 15	---	---	1975
1976	14.5 AT 20:00 MST ON AUG 15	8.75 ON AUG 15	---	---	1976
1977	15.5 AT 21:30 MST ON AUG 13	8.47 ON AUG 13	---	---	1977
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PICHE RIVER NEAR IMPERIAL MILLS - STATION NO. 07CA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	0.452	1.18	1.24	3.02	2.03	0.882	1.84	2.18	---	---	---	1984
MEAN	---	---	0.452	1.18	1.24	3.02	2.03	0.882	1.84	2.18	---	---	---	MEAN

LOCATION - LAT 55 00 35 N LONG 111 42 40 W
DRAINAGE AREA, 1 030 km²
NATURAL FLOW

PICHE RIVER NEAR IMPERIAL MILLS - STATION NO. 07CA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	5.44 ON JUN 7 *	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PIERRE RIVER NEAR FORT MACKAY - STATION NO. 07DA013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	0.826	0.290	0.147	0.021	---	1975
1976	0.001	0	0	0.810	0.372	0.242	0.353	0.211	0.129	---	0.048	0	---	1976
1977	0	0	0	0.227	---	0.307	0.638	0.188	0.134	0.318	0.083	0.002	---	1977
MEAN	0.001	0	0	0.418	0.372	0.275	0.496	0.185	0.297	0.303	0.093	0.008	---	MEAN

LOCATION - LAT 57 27 55 N LONG 111 39 14 W
DRAINAGE AREA, 123 km²
NATURAL FLOW

PIERRE RIVER NEAR FORT MACKAY - STATION NO. 07DA013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1975	---	---	---	---	1975
1976	---	1.198 ON APR 15	0[illegible] ON JAN 7 *	---	1976
1977	2.72 AT 21:17 MST ON JUL 8 *	1.57 ON JUL 5 *	0[illegible] ON JAN 1	---	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PIGEON LAKE CREEK NEAR THE MOUTH - STATION NO. 05PA017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	0.681	0.418	0.100	---	---	---	1974
1975	---	---	0.018	0.814	0.634	0.381	0.225	0.185	0.103	0.028	---	---	0.308	1975
1976	---	---	0.015	0.353	0.051	0.012	0.001	0.001	0.004	0.001	---	---	0.054	1976
1977	---	---	0.001	0.031	0.207	0.170	0.002	0.002	0.003	0.004	---	---	0.052	1977
1978	---	---	0.147	0.101	0.018	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.048	0.350	0.228	0.181	0 075	0.220	0.132	0.033	---	---	0.138	MEAN

LOCATION - LAT 52 51 05 N LONG 113 53 46 W
DRAINAGE AREA, 383 km²
NATURAL FLOW

PIGEON LAKE CREEK NEAR THE MOUTH - STATION NO. 05PA017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1974	---	---	---	---	1974
1975	---	5.05 B ON APR 21 *	0[illegible] ON MAR 1 *	8 530	1975
1976	---	1.56 B ON APR 8	0 ON JUL 17	1 140	1976
1977	1.08 AT 22:45 MST ON JUN 1 *	0.880 ON JUN 1	0 ON JUL 28	1 100	1977
1978	---	---	0[illegible] ON MAR 1	---	1978
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 930	MEAN

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05PA019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	0.234	0.321	0.089	0.017	0.003	0	0	0	---	---	0.083	1979
1980	---	---	0	0.471	0.006	0.014	0.088	0.195	0.432	0.490	---	---	0.205	1980
1981	---	---	0.822	0.306	0.923	0.815	1.19	2.15	1.44	2.23	---	---	1.20	1981
1982	---	---	0.041	2.48	2.11	1.81	3.28	1.75	1.05	1.48	---	---	1.75	1982
1983	---	---	0.828	1.84	1.01	0.867	1.03	0.075	0.007	0.014	---	---	0.645	1983
1984	---	---	0.174	0.140	0.132	0.295	0.018	0	0.059	0.110	---	---	0.110	1984
MEAN	---	---	0.300	0.671	0.711	0.586	0.826	0.707	0.498	0.717	---	---	0.666	MEAN

LOCATION - LAT 52 52 10 N DRAINAGE AREA, 377 km²
LONG 113 53 47 W NATURAL FLOW

PIGEON LAKE CREEK NEAR USONA - STATION NO. 05PA019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	1.288 AT 12:05 MST ON MAR 18	1.22 ON APR 21	0 B ON MAR 1 *	1 750	1979
1980	1.878 AT 11:15 MST ON APR 8	1.808 ON APR 9	0 B ON MAR 1	4 400	1980
1981	9.50 AT 23:25 MST ON JUL 31	8.62 ON AUG 1	0.0038 ON MAR 1	25 500	1981
1982	11.7 AT 16:20 MST ON APR 23 *	11.6 ON APR 23 *	0.032 ON OCT 2	37 000	1982
1983	5.268 AT 13:20 MST ON APR 3	4.388 ON APR 3	0 ON AUG 18	12 700	1983
1984	1.71 AT 19:10 MST ON JUN 10	1.088 ON MAR 25	0 B ON MAR 1	2 340	1984
				14 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIGEON LAKE CREEK NEAR WESTEROSE - STATION NO. 05PA002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	0.743	1.82	2.12	2.53	2.15	0.889	---	---	---	---	1909
1915	---	---	---	0.511	0.552	0.616	2.68	1.36	0.167	0.100	---	---	---	1915
1916	---	---	---	1.41	2.35	2.84	3.87	0.371	0.186	0.286	---	---	---	1916
1924	---	---	---	---	---	---	0.027	0.074	0.040	0.023	0	0	---	1924
1925	0	0	0	0.180	0.417	0.822	0.348	0.184	0.078	0.104	0.109	0.100	0.192	1925
1926	0.127	0.087	0.266	0.462	0.480	0.842	0.725	0.256	0.351	0.570	0.787	0.804	0.490	1926
1927	0.892	0.804	0.777	0.882	1.33	2.10	2.01	0.234	0.188	1.09	0.924	1.02	0.988	1927
1928	1.11	1.88	1.86	1.83	1.42	1.23	1.23	0.313	0.270	0.780	0.619	0.383	1.00	1928
1929	0.401	0.355	0.473	0.823	0.824	0.656	0.341	0.113	0.010	0.003	0	0	0.309	1929
1930	0	0 R	0	0.001	0.005	0.001	0.017	0.041	0.014	0 R	0	0	0.007R	1930
1931	0	0	0	0	---	---	---	---	---	---	---	---	---	1931
MEAN	0.333	0.404R	0.457	0.820	1.01	1.28	1.28	0.510	0.220	0.330R	0.338	0.331	0.498	MEAN

LOCATION - LAT 52 57 30 N DRAINAGE AREA, 284 km²
LONG 113 58 10 W REGULATED

R - REVISED SINCE JAN 1980

PIGEON LAKE CREEK NEAR WESTEROSE - STATION NO. 05PA002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	3.78 ON JUL 10	0 ON APR 1 *	---	1909
1915	---	3.36 ON JUL 30	---	---	1915
1916	---	3.57 ON JUL 17 *	---	---	1916
1924	---	0.227 ON AUG 25	0 ON NOV 1	---	1924
1925	---	0.832 ON JUN 23	0 ON JAN 1	5 080	1925
1926	---	1.33 ON JUN 15	0.0688 ON JAN 22	15 400	1926
1927	---	3.36 ON JUL 14	0.139 ON AUG 26	31 500	1927
1928	---	1.78 E ON FEB 10	0.014 ON AUG 26	31 700	1928
1929	---	0.823 ON MAY 25	0 ON SEP 21	9 760	1929
1930	---	0.074 ON AUG 30	0 ON JAN 1	209R	1930
1931	---	---	0 ON JAN 1	---	1931
				15 600R	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED R - REVISED SINCE JAN 1980

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0.815	1.74	1.31	0.231	0.055	1.14	1.49	---	---	---	1910
1911	---	---	---	1.17	5.20	5.82	1.44	1.68	6.72	2.82	---	---	---	1911
1912	---	---	---	2.03	2.39	1.66	1.99	0.616	0.308	0.599	---	---	---	1912
1913	---	---	---	---	4.00	3.63	1.26	0.783	0.381	0.776	---	---	---	1913
1914	---	---	---	1.86	2.83	1.66	0.788	0.595	0.509	2.06	---	---	---	1914
1915	---	---	---	---	1.67	5.54	9.65	4.76	2.67	1.85	---	---	---	1915
1916	---	---	---	---	2.26	3.51	6.20	2.81	0.823	0.883	0.722	---	---	1916
1917	---	---	---	---	1.06	7.53	7.73	1.13	0.241	0.187	0.238	---	---	1917
1918	---	---	---	---	1.09	2.10	1.65	0.408	0.293	0.768	0.484	---	---	1918
1919	---	---	0.092	0.743	1.92	0.897	0.188	0.044	0.017	0.226	---	---	0.536	1919
1920	---	---	---	1.65	1.64	8.86	4.40	1.78	0.276	0.083	0.141	---	2.48	1920
1921	---	---	---	0.150	1.22	2.84	2.81	0.648	0.085	0.215	0.286	---	---	1921
1922	---	---	---	0.142	1.07	4.68	3.09	0.800	0.155	0.069	0.126	---	---	1922
1923	---	---	---	0.075	0.937	2.68	15.7	2.02	1.13	0.347	0.322	---	---	1923
1924	---	---	---	0.300	1.22	2.82	5.44	0.940	1.39	0.434	0.858	---	---	1924
1925	---	---	---	0.684	3.73	3.15	2.17	0.397	0.224	0.545	1.80	---	---	1925
1926	---	---	---	0.267	1.48	0.883	1.74	0.436	0.207	2.44	2.35	---	---	1926
1927	---	---	---	0.712	2.80	12.0	12.8	3.65	1.66	2.80	2.76	---	---	1927
1928	---	---	---	1.80	2.55	3.87	5.35	4.30	0.973	0.530	0.577	---	---	1928
1929	---	---	---	0.616	1.09	5.01	5.07	0.857	0.185	0.178	0.309	---	---	1929
1930	---	---	---	0.928	2.35	4.14	2.85	0.881	0.173	0.166	0.285	---	---	1930
1931	---	---	---	0.143	0.371	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	---	---	---	---	---	1935
1936	---	---	---	0.322	1.35	1.83	2.30	---	---	---	---	---	---	1936
1955	---	---	---	---	---	---	---	---	0.415	0.800	0.788	---	---	1955
1956	---	---	---	0.317	1.80	2.87	4.03 R	1.18	0.372	0.293	0.262	---	---	1.27 R	1956
1957	---	---	---	0.881	1.18	11.0	8.17	1.21	0.123	0.010	0.008	---	---	2.83	1957
1958	---	---	---	0.276	0.826	2.13	2.83	0.628	0.476	1.58	1.73	---	---	1.29	1958
1959	---	---	---	0.594	2.99	2.47	7.01	3.25	0.124	0.085	0.248	---	---	2.06	1959
1970	---	---	---	0.072	0.543	4.26	5.00	0.670	0.037	0.102	0.259	---	---	1.36	1970
1971	---	---	---	0.159	1.06	3.55	2.86	0.826	0.091	0.163	0.405	---	---	1.11	1971
1972	---	---	---	1.81	2.80	7.36	4.23	1.80	0.528	0.381	0.561	---	---	2.43	1972
1973	---	---	---	0.311	0.916	2.06	1.13	0.212	0.034	0.072	0.283	---	---	0.630	1973
1974	---	---	---	0.856	1.84	3.71	4.49	0.836	0.848	0.234	0.218	---	---	1.88	1974
1975	---	---	---	0.122	1.28	5.40	10.8	2.21	0.856	0.378	0.532	---	---	3.01	1975
1976	---	---	---	0.810	1.36	2.33	1.74	0.674	1.10	0.233	0.159	---	---	1.08	1976
1977	---	---	---	0.103	0.328	0.810	0.334	0.043	0.180	0.305	0.170	---	---	0.259	1977
1978	---	---	---	0.780	0.789	2.93	2.48	1.85	0.408	0.524	0.280	---	---	1.21	1978
1979	---	---	---	0.603	1.77	3.83	2.06	0.430	0.258	0.104	0.080	---	---	1.18	1979
1980	---	---	---	0.174	1.12	3.04	2.48	0.337	0.357	0.620	0.404	---	---	1.08	1980
1981	---	---	---	0.698	1.26	6.84	4.37	1.27	0.370	0.076	0.171	---	---	2.13	1981
1982	---	---	---	0.145	0.817	1.41	2.70	0.848	0.088	0.058	0.221	---	---	0.730	1982
1983	---	---	---	0.285	0.809	1.77	1.17	0.284	0.060	0.048	0.080	---	---	0.551	1983
1984	---	---	---	0.140	0.388	0.984	1.20	0.230	0.071	0.159	0.597	---	---	0.488	1984
MEAN	---	---	0.502	1.40	4.08	4.22 R	1.25	0.506	0.880	0.677	---	---	1.80	MEAN

LOCATION - LAT 49 29 12 N DRAINAGE AREA, 155 km²
LONG 113 59 49 W NATURAL FLOW

R - REVISED SINCE JAN 1980

PINCHER CREEK AT PINCHER CREEK - STATION NO. 05AA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	2.60 ON MAY 20	---	---	1910
1911	---	30.0 ON SEP 4	---	---	1911
1912	---	4.67 ON APR 11	---	---	1912
1913	---	7.90 ON APR 15	---	---	1913
1914	---	5.05 ON OCT 15	---	---	1914
1915	---	27.6 ON JUN 3	---	---	1915
1916	---	11.2 ON JUL 3	---	---	1916
1917	---	16.1 ON JUN 11	---	---	1917
1918	---	3.09 ON JUN 11	---	---	1918
1919	---	3.62 ON MAY 26	0.093 ON AUG 15	11 400	1919
1920	---	15.6 ON MAY 6	0.031 ON SEP 22	62 600	1920
1921	---	5.31 ON MAY 21	0.001 ON SEP 2 *	20 700	1921
1922	---	9.34 ON MAY 17	0.031 ON SEP 4	27 200	1922
1923	66.5 ON JUN 1	44.2 ON JUN 1	0.0428 ON MAR 6	81 200	1923
1924	19.1 AT 13:00 MST ON JUN 7	16.0 ON JUN 7	0.1428 ON APR 1	34 000	1924
1925	7.36 AT 08:00 MST ON APR 23	7.08 ON APR 23	0.147 ON AUG 13	33 500	1925
1926	7.75 AT 08:00 MST ON JUN 21	7.08 ON JUN 21	0.130 ON AUG 5	26 000	1926
1927	---	38.3 ON MAY 28	0.1478 ON MAR 2	105 000	1927
1928	25.8 AT 08:00 MST ON JUN 16	21.7 ON JUN 16	0.2078 ON MAR 1	52 300	1928
1929	23.8 AT 15:00 MST ON JUN 3	21.3 ON JUN 3	0.113 ON SEP 1	34 300	1929
1930	7.36 AT 15:00 MST ON JUN 3	5.94 ON MAY 4	0.078 ON SEP 7	36 700	1930
1931	---	---	---	---	1931
1935	---	---	---	---	1935
1936	---	7.58 ON APR 11	---	---	1936
1965	---	---	---	---	1965
1966	15.7 R AT 20:00 MST ON JUN 4	12.5 R ON JUN 4	0.0088 ON MAR 1	29 000R	1966
1967	53.0 AT 20:00 MST ON MAY 17	29.4 ON MAY 17	0.003E ON SEP 8	58 600	1967
1968	6.18 AT 22:03 MST ON SEP 25	5.66 ON SEP 25	0.187 ON MAR 11	27 400	1968
1969	49.8 AT 09:15 MST ON JUN 26	34.5 ON JUN 26	0.042 ON SEP 3	44 100	1969
1970	46.4 AT 17:00 MST ON JUN 13	23.1 ON JUN 13	0.004 ON AUG 27	28 000	1970
1971	6.63 AT 15:30 MST ON MAY 31	6.31 ON MAY 31	0.001 ON AUG 28	23 600	1971
1972	40.2 AT 10:40 MST ON MAY 25	19.8 ON MAY 25	0.0318 ON MAR 3	51 500	1972
1973	4.33 AT 21:30 MST ON MAY 16	4.11 ON MAY 16	0.013 ON AUG 28	13 300	1973
1974	24.5 B AT 16:40 MST ON MAR 17	9.97 ON MAY 1	0.0548 ON MAR 3	32 700	1974
1975	173 AT 02:20 MST ON JUN 20 *	83.4 ON JUN 30 *	0.0688 ON MAR 1	83 700	1975
1976	---	4.38 ON MAY 11	0.133 ON OCT 30	22 900	1976
1977	0.818 AT 14:30 MST ON MAY 11	0.787 ON MAY 12	0.008E ON JUL 24	5 400	1977
1978	7.36 AT 21:40 MST ON MAY 31	4.84 ON JUN 1	0.0518 ON MAR 3	25 700	1978
1979	5.63 AT 01:40 MST ON MAY 17	5.08 ON MAY 27	0.0138 ON MAR 3	24 400	1979
1980	33.7 AT 17:30 MST ON MAY 28	33.0 ON MAY 28	0.083 ON AUG 2	33 100	1980
1981	71.3 AT 08:10 MST ON MAY 22	36.7 ON MAY 22	0.026 ON SEP 19	45 100	1981
1982	4.30 AT 03:20 MST ON JUN 7	3.67 ON JUN 7	0.006 ON SEP 11	15 600	1982
1983	3.72 AT 08:40 MST ON MAY 28	3.58 ON MAY 28	0.011 ON AUG 17	11 700	1983
1984	3.40 AT 08:05 MST ON MAY 15	2.84 ON MAY 15	0.015 ON AUG 28	5 850	1984
				33 800R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	1.38	0.335	0.440	2.15	0.197	0.019	---	---	---	---	1981
1982	---	---	---	1.82	0.485	0.083	0.380	0.277	0.094	0.035	---	---	0.452	1982
1983	---	---	---	0.530	0.055	0.342	0.719	0.078	0.024	0.035	---	---	0.240	1983
MEAN	---	---	---	1.24	0.288	0.288	1.08	0.184	0.047	0.035	---	---	0.348	MEAN

LOCATION - LAT 54 37 00 N
LONG 113 00 48 W

DATA CONTR'BUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

PINE CREEK NEAR COLINTON - STATION NO. 07CA901

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	18.8 AT 07:39 MDT ON JUL 21 *	13.3 ON JUL 21 *	0 ON AUG 28 *	---	1981
1982	6.01 AT 18:01 MST ON APR 20	5.45B ON APR 22	0 B ON APR 1	5 380	1982
1983	4.15 AT 18:35 MST ON JUL 21	3.88 ON JUL 22	0.007 ON SEP 1	4 430	1983
				5 400	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	0.243	0.344	0.059	---	---	---	1966
1967	---	---	0	1.83	7.48	1.38	0.330	0.062	0	0	---	---	1.37	1967
1968	---	---	0.672	0.452	0.311	0.081	0.003	0.002	0.008	0.014	---	---	0.180	1968
1969	---	---	0	5.72	1.04	0.337	0.010	0.053	0.171	0.382	---	---	0.950	1969
1970	---	---	0.107	5.82	1.46	0.395	5.38	5.26	2.02	1.81	---	---	2.80	1970
1971	---	---	0.731	19.1	8.43	5.84	17.8	5.73	4.26	3.61	---	---	6.31	1971
1972	---	---	0	11.6	12.6	2.76	0.636	0.853	0.073	0.373	---	---	3.58	1972
1973	---	---	0.612	1.83	2.77	3.20	2.08	1.80	1.35	3.18	---	---	1.84	1973
1974	---	---	0.033	29.7	18.2	4.56	4.86	2.42	1.78	---	---	---	---	1974
1975	---	---	0.014	3.55	4.81	2.61	5.79	3.86	5.54	3.15	---	---	3.77	1975
1976	---	---	0.348	8.40	1.87	0.857	1.34	0.474	0.378	0.898	---	---	1.41	1976
1977	---	---	0.028	4.84	3.58	2.44	0.815	1.25	1.63	2.24	---	---	2.12	1977
1978	---	---	0.858	7.15	3.97	5.81	2.58	2.01	13.7	7.34	---	---	5.53	1978
1979	---	---	0.415	10.7	11.1	5.25	5.79	5.57	2.89	1.67	---	---	5.91	1979
1980	---	---	0.011	0.889	0.099	0.348	0.743	1.82	1.90	1.78	---	---	0.900	1980
1981	---	---	2.00	4.40	0.448	1.80	3.43	0.818	0.133	0.159	---	---	1.64	1981
1982	---	---	0	3.88	0.880	0.088	1.16	0.985	0.448	0.287	---	---	0.954	1982
1983	---	---	0.013	0.908	0.030	0.539	2.73	0.535	0.463	0.358	---	---	0.749	1983
1984	---	---	0.828	0.765	0.765	1.82	0.287	0.033	0.185	0.183	---	---	0.595	1984
MEAN	---	---	0.348	8.80	4.47	2.33	3.33	1.83	2.02	1.40	---	---	2.52	MEAN

LOCATION - LAT 54 49 10 N DRAINAGE AREA, 1 480 km²
LONG 113 48 30 W NATURAL FLOW

PINE CREEK NEAR GRASSLAND - STATION NO. 07CA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	27.5 AT 20:00 MST ON MAY 2	27.3 ON MAY 2	0 B ON MAR 1 *	28 100	1967
1968	---	1.058 ON MAR 28	0 ON JUN 25	4 030	1968
1969	21.5 AT 04:03 MST ON APR 15	20.8 ON APR 15	0 B ON MAR 1	20 100	1969
1970	---	21.7 B ON APR 14	0.0288 ON MAR 1	81 200	1970
1971	73.5 AT 11:00 MST ON APR 21	71.5 ON APR 21	0.3828 ON OCT 31	176 000	1971
1972	27.9 AT 09:30 MST ON APR 28	27.5 ON APR 28	0 B ON MAR 1	75 900	1972
1973	---	8.50E ON JUN 20	0.0068 ON MAR 1	41 200	1973
1974	87.2 AT 04:00 MST ON APR 30 *	85.5 ON APR 30 *	---	---	1974
1975	---	13.5 B ON APR 21	0.0148 ON MAR 1	78 700	1975
1976	7.988 AT 05:00 MST ON APR 7	7.738 ON APR 7	0.0318 ON MAR 1	38 800	1976
1977	18.2 B AT 19:30 MST ON APR 9	18.3 B ON APR 10	0.0288 ON MAR 1	44 800	1977
1978	31.1 AT 12:30 MST ON SEP 21	30.9 ON SEP 21	0.0458 ON MAR 1	117 000	1978
1979	31.6 AT 12:20 MST ON APR 28	31.1 ON APR 28	0.059E ON MAR 1	125 000	1979
1980	2.628 AT 19:00 MST ON APR 8	2.67 ON SEP 28	0.0088 ON MAR 1	15 100	1980
1981	---	11.2 B ON MAR 28	0.0288 ON MAR 1	34 700	1981
1982	---	10.7 B ON APR 21	0 B ON MAR 1	20 200	1982
1983	6.13 AT 10:31 MST ON JUL 28	7.83 ON JUL 28	0 B ON MAR 1	15 800	1983
1984	4.428 AT 05:18 MST ON MAR 27	4.22 ON JUN 9	0.007 ON AUG 5	12 800	1984
				53 300	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PINEPOUND CREEK NEAR SPRING COULEE - STATION NO. 05AE009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	1.30	0.939	0.453	0.158	0.147	0.378	---	---	---	1914
1915	---	---	---	0.402	0.118	0.307	0.209	0.139	0.092	0.088	---	---	---	1915
1916	---	---	---	0.163	0.090	0.189	0.107	0.036	0.015	0.014	---	---	---	1916
1917	---	---	---	---	0.027	0.052	0.004	0.001	0.001	0.243	---	---	---	1917
1918	---	---	---	0.235	0.084	0.053	0.018	0.157	0.218	0.195	---	---	---	1918
1919	---	---	---	0.676	0.163	0.001	0.142	0.824	0.186	0.261	---	---	---	1919
1920	---	---	1.48	1.69	1.42	0.804	2.08	0.100	0.011	1.31	---	---	1.12	1920
1921	---	---	0.153	1.79	0.067	1.58	0.472	0.285	0.380	3.88	---	---	1.04	1921
1922	---	---	0.334	1.43	0.837	0.367	0.051	0.011	0.878	1.72	---	---	0.714	1922
1923	---	---	---	0.480	0.717	8.30	4.98	0.485	3.03	0.208	---	---	---	1923
1924	---	---	---	---	0.248	3.34	0.788	0.105	0.082	---	---	---	---	1924
1925	---	---	0.270	0.386	0.882	0.031	0.023	0.027	0.027	---	---	---	---	1925
1926	---	---	---	---	0.618	0.148	0.143	0.058	0.029	0.768	---	---	---	1926
1927	---	---	0.424	0.620	2.57	1.20	0.530	0.835	2.37	0.854	---	---	1.12	1927
1928	---	---	---	0.554	0.321	0.158	2.51	0.832	0.174	0.192	---	---	---	1928
1929	---	---	2.78	1.17	0.138	0.418	0.057	0.008	0.007	0.273	---	---	0.808	1929
1930	---	---	0.483	0.589	0.310	0.031	0.218	0.042	0.031	0.045	---	---	0.218	1930
1931	---	---	0.200	0.182	0.002	0.009	0	0.100	0.003	0	---	---	0.082	1931
1932	---	---	---	---	2.23	1.38	0.442	0.015	0.084	0.714	---	---	---	1932
1933	---	---	---	0.667	0.445	1.28	0.138	0.018	0.715	0.127	---	---	---	1933
1934	---	---	---	0.805	0.058	0.254	0.170	0.030	0.020	0.837	---	---	---	1934
1935	---	---	---	---	0.185	---	0.022	0.010	0.004	0.191	---	---	---	1935
1936	---	---	---	0.807	0.128	1.98	0.008	0.018	0.005	---	---	---	---	1936
1937	---	---	---	0.237	---	2.30	0.001	0.006	0.033	---	---	---	---	1937
1938	---	---	---	0.208	0.024	0.078	0.208	0	0.010	0.040	---	---	---	1938
1939	---	---	0.558	0.261	0.011	0.081	0.017	0.028	0.034	0.108	---	---	0.138	1939
1940	---	---	0.028	0.043	0.028	0.016	0.017	0.021	0.018	0.124	---	---	0.038	1940
1941	---	---	---	---	0.014	0.007	0.005	0.007	0.012	0.172	---	---	---	1941
1942	---	---	0.537	0.197	0.037	0.021	0.030	0.027	0.036	0.027	---	---	0.114	1942
1943	---	---	---	0.268	0.024	0.003	0.003	0.008	0.025	0.006	---	---	---	1943
1944	---	---	0.005	0.119	0.028	0.006	0.003	---	---	---	---	---	---	1944
1945	---	---	0.180	0.074	0.020	0.008	0	0	0	0.003	---	---	0.036	1945
1946	---	---	0.725	0.551	0.214	0.378	0.217	0.011	0.011	0.085	---	---	0.274	1946
1947	---	---	3.00	0.529	0.134	0.027	0.005	0.408	0.831	0.073	---	---	0.842	1947
1948	---	---	1.18	2.85	1.28	1.83	0.086	0.078	0.081	0.048	---	---	0.885	1948
1949	---	---	0.233	0.136	0.011	0.032	0.006	0.006	0.001	0.228	---	---	0.081	1949
1950	---	---	0.868	0.892	0.012	0.013	0.002	0.008	0.008	1.88	---	---	0.452	1950
MEAN	---	---	0.747	0.621	0.408	0.708	0.383	0.132	0.268	0.448	---	---	0.472	MEAN

LOCATION - LAT 48 18 57 N DRAINAGE AREA, 207 km²
LONG 113 03 52 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1950

PINEPOUND CREEK NEAR SPRING COULEE - STATION NO. 05AE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	5.18 ON APR 28	0 ON [illegible]	---	1915
1916	---	0.7088 ON MAR 21	0 ON AUG 15	---	1916
1917	---	---	0 ON JUL 15	---	1917
1918	---	1.56 ON OCT 16	---	---	1918
1919	---	---	0 ON JUN 5	---	1919
1920	20.3 E AT 14:00 MST ON JUL 16	8.75 E ON JUL 16	0 B ON MAR 1	23 600	1920
1921	---	10.6 E ON JUN 18	0 B ON MAR 7	22 000	1921
1922	21.5 AT 17:30 MST ON JUN 25	7.84 ON APR 22	0 B ON MAR 1	15 100	1922
1923	12.0 AT 05:00 MST ON JUN 22	11.5 ON JUN 2	0.011 ON APR 21	---	1923
1924	---	---	0 ON MAY 31	---	1924
1925	9.48 AT 17:00 MST ON OCT 11	5.88 ON OCT 11	0 B ON MAR 1	---	1925
1926	15.8 AT 17:30 MST ON MAY 15	4.81 ON MAY 15	---	---	1926
1927	18.5 AT 21:30 MST ON MAY 21	17.2 ON MAY 21	0.0288 ON APR 19	23 600	1927
1928	19.1 AT 20:00 MST ON JUN 30	13.1 ON JUL 1	---	---	1928
1929	9.328 AT 18:30 MST ON MAR 10	6.34 B ON MAR 10	0.003 ON JUN 27	12 900	1929
1930	3.81A AT 08:30 MST ON APR 2	3.14 A ON APR 2	0 B ON MAR 1	4 630	1930
1931	5.52 AT 18:00 MST ON AUG 29	1.90 ON AUG 29	0 ON APR 25	1 310	1931
1932	25.7 AT 21:00 MST ON MAY 21	12.4 ON MAY 24	0 ON JUL 28	---	1932
1933	25.5 AT 08:30 MST ON JUN 27	20.7 ON JUN 26	0.003 ON AUG 8	---	1933
1934	8.72 AT 11:45 MST ON OCT 20	8.34 ON OCT 21	0 ON MAR 28	---	1934
1935	---	---	0 ON AUG 14	---	1935
1936	25.8 AT 21:30 MST ON JUN 5	24.2 ON JUN 5	0 B ON APR 1	---	1936
1937	46.7 AT 13:00 MST ON JUN 13 *	36.6 ON JUN 13 *	0 ON MAY 4	---	1937
1938	21.8 AT 21:30 MST ON JUL 5	3.78 ON JUL 8	0 A ON MAY 11	---	1938
1939	3.98 AT 01:00 MST ON MAR 20	3.11 ON MAR 18	0 ON MAR 1	2 030	1939
1940	4.81 AT 20:00 MST ON OCT 29	1.98 ON OCT 30	0.008 ON JUN 17	770	1940
1941	---	---	---	---	1941
1942	---	2.27 B ON MAR 15	0 B ON MAR 1	2 420	1942
1943	---	---	0 ON JUN 10	---	1943
1944	---	---	0 B ON MAR 1	---	1944
1945	---	1.47 B ON MAR 17	0 B ON MAR 1	765	1945
1946	3.28B AT 18:00 MST ON MAR 13	3.11 ON MAY 28	0.003 ON MAY 25	5 780	1946
1947	36.0 ON MAR 17	16.0 ON MAR 17	0 A ON MAR 1	13 600	1947
1948	56.1 AT 03:00 MST ON APR 17 *	25.6 ON JUN 17	0 B ON MAR 1	16 800	1948
1949	4.53 AT 17:00 MST ON OCT 23	3.44 ON OCT 23	0 B ON MAR 1	1 710	1949
1950	18.4 AT 22:45 MST ON APR 1	10.1 ON OCT 21	0 ON JUN 5	9 570	1950
				9 980	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	0.039R	0.027R	0.058R	---	---	---	1979
1980	---	---	0.003	5.23	0.725	0.714	1.24	1.24	3.38	1.31	---	---	1.71	1980
1981	---	---	3.34	1.60	0.740	0.328	0.244	1.21	0.231	0.077	---	---	0.874	1981
1982	---	---	0	8.88	8.88	2.01	5.22	0.533	0.210	0.248	---	---	2.87	1982
1983	---	---	0.517	4.80	0.788	1.08	7.48	0.244	0.020	0.038	---	---	1.84	1983
1984	---	---	0.818	1.01	0.238	0.710	0.084	0.008	0.238	0.147	---	---	0.418	1984
MEAN	---	---	0.988	4.28	1.87	0.884	2.85	0.648R	0.881R	0.313R	---	---	1.58	MEAN

LOCATION - LAT 53 02 25 N LONG 113 21 54 W DRAINAGE AREA, 1 010 km² NATURAL FLOW

R - REVISED SINCE JAN 1980

PIPESTONE CREEK BELOW BIGSTONE CREEK - STATION NO. 05FA022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	---	---	---	---	1979
1980	11.7 B AT 00:02 MST ON APR 5	10.2 B ON APR 6	0.0018 ON MAR 1	38 300	1980
1981	10.4 AT 19:30 MST ON MAR 19	8.808 ON MAR 17	0.014 ON OCT 23	20 800	1981
1982	45.4 AT 12:20 MST ON APR 24 *	41.4 B ON APR 25 *	0 B ON MAR 1 *	80 800	1982
1983	15.0 AT 04:35 MST ON JUL 8	14.8 ON JUL 8	0.001 ON SEP 29	38 900	1983
1984	5.08 AT 15:00 MST ON APR 1	3.588 ON MAR 25	0.001 ON JUL 27	8 610	1984
				33 100	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK NEAR MILLET - STATION NO. 05FA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	8.11	---	---	---	---	---	---	---	---	---	1925
MEAN	---	---	---	8.11	---	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 53 04 48 N LONG 113 27 55 W DRAINAGE AREA, 289 km² NATURAL FLOW

PIPESTONE CREEK NEAR MILLET - STATION NO. 05FA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1925	---	37.7 ON APR 13 *	0B ON APR 1 *	---	1925
				---	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIPESTONE CREEK NEAR WETASKIWIN - STATION NO. 05FA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.804	5.32	1.58	0.567	0.153	0.480	0.155	0.148	---	---	1.11	1972
1973	---	---	0.870	4.08	1.34	1.27	3.82	1.74	0.600	0.800	---	---	1.76	1973
1974	---	---	0.041	27.3	12.0	2.44	4.01	0.889	0.721	0.531	---	---	5.92	1974
1975	---	---	0.008	2.00	2.87	0.775	0.084	0.055	0.024	0.017	---	---	0.741	1975
1976	---	---	0.055	1.16	0.148	0.047	0.018	0.005	0.014	0.018	---	---	0.182	1976
1977	---	---	0.028	0.047	0.196R	0.058R	0.005	0.258	0.024	0.036	---	---	0.058R	1977
1978	---	---	0.371	0.433	0.055	0.028	0.011	0.038	0.718	0.493	---	---	0.272	1978
1979	---	---	3.83	3.80	2.20	0.480	0.458	0.044	0.024	0.051	---	---	1.38	1979
MEAN	---	---	0.703	5.52	2.58 R	0.708R	1.08	0.418	0.272	0.224	---	---	1.43	MEAN

LOCATION - LAT 53 02 12 N LONG 113 19 28 W DRAINAGE AREA, 1 030 km² NATURAL FLOW

R - REVISED SINCE JAN 1980

PIPESTONE CREEK NEAR WETASKIWIN - STATION NO. 05PA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	14.2 B ON APR 7	0 B ON MAR 1 *	33 800	1972
1973	18.5 A AT 01:00 MST ON JUL 2	15.8 A ON JUL 2	0.0038 ON MAR 1	37 100	1973
1974	88.0 AT 12:20 MST ON APR 23 *	88.0 ON APR 23 *	0.0408 ON MAR 1	125 000	1974
1975	---	8.868 ON APR 23	0.004 ON JUL 20	15 700	1975
1976	---	4.588 ON APR 8	0.001 ON SEP 25	3 880	1976
1977	4.59 AT 15:10 MST ON AUG 9	2.80 ON AUG 10	0.003E ON JUL 18	1 810R	1977
1978	5.328 AT 08:30 MST ON MAR 29	3.378 ON MAR 29	0.007 ON AUG 2	5 780	1978
1979	12.8 B AT 20:00 MST ON MAR 30	10.1 B ON MAR 30	0.017A ON SEP 17	28 700	1979
				30 200R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	5.67	2.54	---	---	---	1911
1912	---	0.744	0.384	0.852	7.49	15.6	13.2	14.5	8.38	2.85	4.10	2.72	10.0	1912
1913	1.21	1.07	0.618	1.55	8.95	21.2	15.1	12.9	8.27	3.67	1.78	1.48	11.3	1913
1914	1.10	0.796	0.619	1.04	8.25	19.3	18.1	8.28	4.82	4.26	1.88	1.01	10.5	1914
1915	1.20	0.782	0.954	2.87	8.82	13.5	16.3	13.7	5.34	3.34	2.01	0.938	8.84	1915
1916	0.881	0.678	0.779	0.770	3.84	23.2	22.5	11.9	7.15	3.18	1.50	0.898	11.9	1916
1917	1.08	0.926	0.808	0.788	7.70	13.7	17.0	8.48	4.85	3.89	1.83	1.25	8.23	1917
1918	0.974	0.585	0.411	1.12	8.34	26.5	14.2	9.25	5.86	3.99	1.40	1.18	10.8	1918
1919	1.54	1.18	0.593	1.28	11.1	16.4	11.6	10.4	5.48	2.02	1.56	1.09	9.49	1919
1920	0.904	0.794	0.801	0.578	3.40	14.8	29.4	10.4	5.16	3.55	---	---	11.1	1920
1972	---	---	---	---	---	---	---	---	---	3.27	---	---	---	1972
1973	---	---	---	---	9.17	17.6	13.9	8.06	3.87	2.83	---	---	9.20	1973
1974	---	---	---	---	4.42	27.8	17.3	9.32	4.19	2.42	---	---	10.8	1974
1975	---	---	---	---	3.72	13.0	14.8	7.24	4.24	2.58	---	---	7.57	1975
1976	---	---	---	---	12.8	14.5	22.8	14.4	10.3	4.28	---	---	13.2	1976
1977	---	---	---	---	7.22	16.3	9.32	8.48	5.84	3.34	---	---	8.38	1977
1984	---	---	---	---	---	---	---	---	8.23	3.59	1.81	1.33	---	1984
MEAN	1.08	0.834	0.697	1.16	7.07	18.0	16.8	10.5	5.93	3.27	1.98	1.33	10.2	MEAN

LOCATION - LAT 51 25 02 N
LONG 116 10 20 W
DRAINAGE AREA, 306 km^2
NATURAL FLOW

PIPESTONE RIVER NEAR LAKE LOUISE - STATION NO. 05BA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	29.4 ON AUG 24	0.855 ON MAY 2	158 000	1912
1913	---	32.0 ON JUN 10	0.793 ON MAY 4	180 000	1913
1914	---	31.4 ON JUN 17	2.15 ON OCT 29	167 000	1914
1915	---	44.5 ON JUN 28	2.83 ON OCT 15	158 000	1915
1916	---	87.4 ON JUN 19	1.44 ON MAY 1	189 000	1916
1917	---	32.3 ON JUL 4	0.823 ON MAY 4	147 000	1917
1918	---	81.0 ON JUN 14 *	1.67 B ON OCT 30	171 000	1918
1919	---	28.7A ON MAY 27	0.906B ON OCT 24	161 000	1919
1920	---	53.2 ON JUL 1	0.644 ON MAY 1 *	178 000	1920
1972	---	---	---	---	1972
1973	42.5 AT 05:00 MST ON JUN 24	38.8 ON JUN 24	0.708B ON MAY 1	148 000	1973
1974	82.3 AT 22:30 MST ON JUN 24 *	57.2 ON JUN 24	2.04 E ON OCT 31	172 000	1974
1975	33.1 AT 23:30 MST ON JUL 4	25.1 ON JUL 5	1.38 B ON MAY 2	120 000	1975
1976	54.8 AT 04:00 MST ON JUL 1	48.0 ON JUL 1	2.80 B ON OCT 31	209 000	1976
1977	58.3 AT 20:30 MST ON JUN 8	47.3 ON JUN 8	2.78 ON OCT 31	133 000	1977
1984	---	---	---	---	1984
				183 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	0.080	0.705	0.795	0.740	0.570	0.281	---	---	0.524	1972
1973	---	---	---	---	0.378	0.680	0.601	0.590	0.303	0.528	---	---	0.579	1973
1974	---	---	---	---	0.030	0.651	0.857	0.815	0.320	0.548	0.007	---	0.554	1974
1975	---	---	---	---	0.328	0.288	0.695	0.673	0.508	0.359	---	---	0.478	1975
1976	---	---	---	---	0.238	0.634	0.621	0.495	0.494	0.388	---	---	0.478	1976
1977	---	---	---	---	0.231	0.531	0.410	0.330	0.378	0.288	---	---	0.380	1977
1978	---	---	---	---	0.048	0.088	0.584	0.649	0.344	0.365	---	---	0.328	1978
1979	---	---	---	---	0.041	0.539	0.538	0.429	0.328	0.228	---	---	0.332	1979
1980	---	---	---	---	0.287	0.248	0.523	0.349	0.172	0.302	---	---	0.318	1980
1981	---	---	---	---	0.202	0.484	0.884	0.593	0.527	0.441	---	---	0.482	1981
1982	---	---	---	---	0.143	0.811	0.763	0.552	0.501	0.181	---	---	0.438	1982
1983	---	---	---	---	0.077	0.488	0.508	0.435	0.224	0.051	---	---	0.295	1983
1984	---	---	---	---	0.178	0.592	0.152	0.189	0.228	0.203	---	---	0.258	1984
MEAN	---	---	---	---	0.177	0.507	0.807	0.535	0.389	0.309	0.007	---	0.417	MEAN

LOCATION - LAT 49 49 49 N
LONG 112 45 43 W REGULATED

PIYAMI DRAIN NEAR PICTURE BUTTE - STATION NO. 05AD037

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	1.04 ON JUL 15	0 ON MAY 5 *	5 330	1972
1973	---	1.43 A ON JUN 1	0 ON MAY 8	5 220	1973
1974	---	1.05 ON AUG 15	0 ON MAY 8	5 830	1974
1975	---	1.82 ON JUL 30	0 ON OCT 30	7 580	1975
1976	---	1.47 ON AUG 5	0 ON MAY 1	7 520	1976
1977	---	0.884 ON JUN 14	0 ON MAY 1	5 730	1977
1978	---	2.53 ON AUG 23 *	0 ON MAY 19	5 230	1978
1979	---	1.01 ON AUG 24	0 ON MAY 20	5 300	1979
1980	---	2.43 ON MAY 24	0 ON MAY 1	5 020	1980
1981	---	1.84 ON JUN 14	0 ON MAY 1	7 860	1981
1982	---	1.85 ON JUL 1	0 ON MAY 2	6 850	1982
1983	---	0.883 ON JUL 6	0 ON MAY 4	4 700	1983
1984	---	1.08 ON JUN 22	0 ON MAY 3	4 070	1984
				5 830	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POCATERRA CREEK NEAR MOUTH - STATION NO. 05BF004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1931	---	---	---	---	---	---	1.00	0.480	0.388	0.280	---	---	---	1931
1932	---	---	---	---	---	5.65	2.01	1.01	0.870	0.547	0.373	0.141	---	1932
1933	0.116	0.084	0.068	0.207	1.58	4.34	1.99	0.751	0.528	0.448	0.285	0.188	0.880	1933
1934	0.133	0.087	0.080	1.08	2.82	2.10	1.07	0.388	0.233	0.211	---	---	---	1934
1935	---	---	---	0.152	0.817	2.85	1.83	0.788	0.302	0.175	---	---	---	1935
1936	---	---	---	---	---	1.87	0.583	0.275	0.213	0.121	0.048	---	---	1936
1937	---	---	---	---	0.983	2.60	1.84	0.588	0.333	0.231	0.278	---	---	1937
1938	---	---	---	---	---	4.18	---	---	---	---	---	---	---	1938
1939	---	---	---	---	---	1.83	---	---	---	---	---	---	---	1939
1940	---	---	---	---	---	1.59	---	---	---	---	---	---	---	1940
1941	---	---	---	---	---	1.21	---	---	---	---	---	---	---	1941
MEAN	0.125	0.091	0.084	0.480	1.54	2.85	1.40	0.618	0.411	0.299	0.218	0.185	0.880	MEAN

LOCATION - LAT 50 41 42 N
LONG 115 08 50 W
DRAINAGE AREA, 83.7 km^2
NATURAL FLOW

POCATERRA CREEK NEAR MOUTH - STATION NO. 05BF004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1931	---	---	---	---	1931
1932	---	25.5 ON JUN 2 *	---	---	1932
1933	11.7 AT 22:00 MST ON JUN 15 *	10.1 ON JUN 15	0.0858 ON FEB 15	27 700	1933
1934	5.80 AT 24:00 MST ON MAY 28	5.15 ON MAY 28	0.0288 ON FEB 15 *	---	1934
1935	4.15 AT 01:00 MST ON JUN 15	4.05 ON JUN 15	---	---	1935
1936	8.23 AT 02:30 MST ON JUN 2	5.47 ON JUN 2	---	---	1936
1937	6.08 AT 22:00 MST ON JUN 15	5.15 ON JUN 17	---	---	1937
1938	7.86 AT 23:00 MST ON MAY 28	---	---	---	1938
1939	---	---	---	---	1939
1940	2.86 AT 19:00 MST ON MAY 23	---	---	---	1940
1941	---	---	---	---	1941
				27 700	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	0.239	0.187	0.457	0.055	0.003	0.004	---	---	---	1979
1980	---	---	---	1.05	0.027	0.063	0.098	0.843	0.781	0.210	---	---	0.432	1980
1981	---	---	---	0.393	0.048	0.023	0.019	0.040	0.005	0	---	---	0.075	1981
1982	---	---	---	1.31	0.185	0.055	0.468	0.024	0.018	0.005	---	---	0.292	1982
1983	---	---	0.034	0.481	0.027	1.52	1.03	0.041	0.015	0.009	---	---	0.460	1983
1984	---	---	0.315	0.245	0.034	0.294	0.003	0	0.002	0.002	---	---	0.082	1984
MEAN	---	---	0.175	0.592	0.090	0.359	0.351	0.187	0.134	0.038	---	---	0.284	MEAN

LOCATION - LAT 53 35 58 N, LONG 113 09 49 W
DRAINAGE AREA, 105 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS CREEK NEAR ARDROSSAN - STATION NO. 05EB902

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1979	4.13 AT 12:30 MST ON JUL 14	2.88 ON JUL 14	0 ON SEP 17 *	---	1979
1980	5.03 AT 03:54 MST ON APR 11	3.92 ON APR 11	0 ON MAY 15	8 000	1980
1981	---	0.858 ON APR 1	0 ON MAY 13	1 380	1981
1982	8.52 AT 02:52 MST ON APR 24	5.88 ON APR 24	0B ON APR 1	5 400	1982
1983	16.2 AT 12:23 MST ON JUN 25 *	11.8 ON JUN 25 *	0 ON JUN 11	8 140	1983
1984	---	1.28 ON JUN 9	0 ON JUL 11	1 510	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 890	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.053	0.010	0.001	0.001	0.001	0	0	---	---	0.008	1981
1982	---	---	---	0.177	0.018	0	0.088	0.001	0	0	---	---	0.037	1982
1983	---	---	0.003	0.058	0.008	0.285	0.143	0.002	0	0	---	---	0.067	1983
1984	---	---	0.059	0.047	0.018	0.048	0	0	0	0	---	---	0.018	1984
MEAN	---	---	0.031	0.084	0.012	0.079	0.053	0.001	0	0	---	---	0.032	MEAN

LOCATION - LAT 53 34 43 N, LONG 113 08 48 W
DRAINAGE AREA, 17.8 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 1 NEAR ARDROSSAN - STATION NO. 05EB909

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	0.1208 ON APR 2	0 ON MAY 26 *	172	1981
1982	1.17 AT 02:37 MST ON APR 24	1.05 ON APR 24	0B ON APR 1	887	1982
1983	3.81 AT 13:19 MST ON JUN 25 *	2.85 ON JUN 25 *	0 ON MAY 31	1 240	1983
1984	---	0.264 ON JUN 9	0 ON JUN 25	292	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		598	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.012	0.004	0	0	0	0	0	---	---	0.002	1981
1982	---	---	---	0.184	0.002	0	0.014	0	0	0	---	---	0.035	1982
1983	---	---	0.003	0.048	0.003	0.184	0.042	0	0	0	---	---	0.038	1983
1984	---	---	0.044	0.006	0.003	0.018	0	0	0	0	---	---	0.004	1984
MEAN	---	---	0.024	0.058	0.003	0.048	0.014	0	0	0	---	---	0.017	MEAN

LOCATION - LAT 53 35 48 N, LONG 113 08 49 W
DRAINAGE AREA, 8.34 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 2 NEAR ARDROSSAN - STATION NO. 05EB910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	0.055 ON APR 4	0 ON MAY 23 *	43.3	1981
1982	1.88 AT 23:49 MST ON APR 21	1.26 ON APR 22	0B ON APR 1	470	1982
1983	4.88 AT 14:18 MST ON JUN 25 *	2.78 ON JUN 25 *	0 ON MAY 31	672	1983
1984	---	0.159 ON JUN 7	0 ON APR 30	71.7	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		314	MEAN

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.013	0.002	0.001	0.001	0.005	0.003	0.005	---	---	0.004	1981
1982	---	---	---	0.024	0.001	0	0.005	0	0	0	---	---	0.005	1982
1983	---	---	0.001	0.010	0.003	0.044	0.015	0.001	0	0	---	---	0.010	1983
1984	---	---	0.005	0.004	0.007	0.005	0	0	0	0	---	---	0.002	1984
MEAN	---	---	0.005	0.013	0.003	0.013	0.005	0.002	0.001	0.002	---	---	0.005	MEAN

LOCATION - LAT 53 35 44 N
LONG 113 05 47 W
DRAINAGE AREA, 3.85 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POINTE-AUX-PINS TRIBUTARY NO. 3 NEAR ARDROSSAN - STATION NO. 05EB911

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.0458 ON APR 1	0 ON MAY 25 *	81.9	1981
1982	0.303 AT 11:05 MST ON APR 21	0.137 ON APR 24	0B ON APR 1	85.8	1982
1983	0.700 AT 11:30 MST ON JUN 25 *	0.482 ON JUN 25 *	0 ON APR 28	189	1983
1984	0.088 AT 19:05 MST ON JUN 5	0.032 ON JUN 7	0 ON APR 15	44.8	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		100	MEAN

POLICEMAN CREEK AT CANMORE - STATION NO. 05BE008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	0.498	0.378	0.253	0.141	0.272	0.180	0.346	0.229	---	---	---	1978
1979	---	---	0.313	0.480	0.898	2.48	2.39	2.01	1.33	0.717	0.484	0.332	---	1979
1980	0.270	0.147	0	0.243	2.40	3.14	2.63	2.44	2.17	1.88	---	---	---	1980
MEAN	0.270	0.147	0.270	0.367	1.18	1.82	1.78	1.64	1.28	0.975	0.484	0.332	---	MEAN

LOCATION - LAT 51 05 00 N
LONG 115 22 00 W
REGULATED
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

POLICEMAN CREEK AT CANMORE - STATION NO. 05BE008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	3.40 AT 15:10 MST ON JUN 20	3.03 ON JUN 20	---	---	1979
1980	4.25 AT 21:10 MST ON JUN 17 *	4.10 ON JUN 17 *	0 ON MAR 1 *	---	1980
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	65.8	47.0	32.7	31.0	12.5	---	---	---	1982
1983	---	---	0	17.3	31.5	13.1	24.2	35.5	24.2	18.8	---	---	20.3	1983
1984	---	---	0.314	0.731	40.5	14.2	5.54	24.4	18.9	8.65	---	---	14.7	1984
1985	---	---	0.373	3.40	45.3	18.6	28.7	14.9	5.03	4.59	---	---	14.9	1985
1986	---	---	0.005	0.256	40.0	12.5	17.2	10.5	5.80	4.07	---	---	11.5	1986
1987	---	---	0	0.089	54.0	28.1	25.5	31.5	9.61	14.5	---	---	23.1	1987
1988	---	---	0.158	3.21	34.2	20.0	25.1	12.7	8.23	4.54	---	---	15.0	1988
1989	---	---	0.055	21.5	28.5	25.3	9.45	4.25	3.40	3.23	---	---	11.5	1989
1990	---	---	0	3.55	27.0	17.3	4.37	2.10	2.28	1.93	0.250	0	7.32	1990
1991	0	0	0	7.70	15.3	4.80	4.14	1.28	1.72	1.55	---	---	4.55	1991
1992	---	---	0	1.45	52.5	18.4	10.7	3.65	1.17	0.430	---	---	10.5	1992
1993	---	---	0	1.09	27.5	33.5	58.3	45.5	25.5	7.59	---	---	25.2	1993
1994	---	---	0.959	17.2	54.5	19.5	24.5	14.9	7.91	3.53	---	---	17.9	1994
1995	---	---	0.055	7.90	43.4	42.2	25.5	21.0	19.5	13.5	---	---	22.1	1995
1996	---	---	0.263	24.2	44.3	54.5	35.5	15.7	9.54	4.59	---	---	22.5	1996
1997	---	---	0.031	5.93	33.2	27.4	24.5	15.5	8.70	4.63	---	---	15.1	1997
1998	---	---	0.024	2.35	30.0	29.0	11.1	15.0	21.2	11.1	---	---	14.9	1998
1999	---	---	0.095	0.275	43.4	39.1	14.9	3.73	2.77	1.73	---	---	13.1	1999
2000	---	---	0	3.05	3.09	1.95	2.54	2.15	3.05	3.58	---	---	3.15	2000
2001	---	---	0	1.52	31.5	15.7	10.7	4.54	1.52	1.31	---	---	5.45	2001
2002	---	---	0	0.330	30.2	9.79	4.00	3.40	4.05	1.54	---	---	9.74	2002
2003	---	---	0.080	13.5	38.2	23.7	7.45	3.51	2.49	0.575	---	---	11.1	2003
2004	---	---	0	5.24	11.5	19.5	47.3	45.1	20.2	10.2	---	---	20.5	2004
MEAN	0	0	0.113	5.80	34.9	24.3	20.5	15.0	10.5	5.05	0.250	0	14.2	MEAN

LOCATION - LAT 56 27 53 N
LONG 115 15 23 W
DRAINAGE AREA, 2 640 km²
NATURAL FLOW

PONTON RIVER ABOVE BOYER RIVER - STATION NO. 07JF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	116 AT 08:45 MST ON JUN 29	116 ON JUN 29	---	---	1982
1983	---	90.9 ON JUL 31	0 B ON MAR 1 *	431 000	1983
1984	---	92.9 B ON MAY 7	0.2558 ON MAR 1	312 000	1984
1985	---	108 ON JUL 25	0.2838 ON MAR 24	318 000	1985
1986	118 ON MAY 10	113 ON MAY 10	0.0038 ON MAR 1	244 000	1986
1987	186 AT 18:00 MST ON MAY 23	181 ON MAY 23	0 B ON MAR 1	487 000	1987
1988	---	73.3 ON JUL 15	0.1428 ON MAR 10	316 000	1988
1989	---	71.1 ON APR 21	0.0458 ON MAR 11	282 000	1989
1970	---	47.3 ON MAY 31	0 B ON MAR 1	155 000	1970
1971	---	45.3 B ON APR 28	0 B ON MAR 1	96 300	1971
1972	103 ON MAY 11	99.7 ON MAY 11	0 B ON MAR 1	230 000	1972
1973	131 AT 03:00 MST ON JUL 26	125 ON JUL 26	0 B ON MAR 1	523 000	1973
1974	128 AT 21:00 MST ON MAY 10	122 ON MAY 10	0.9288 ON MAR 22	379 000	1974
1975	---	75.3 ON JUN 29	0.0428 ON APR 9	467 000	1975
1976	134 ON MAY 1	123 ON MAY 1	0.2558 ON MAR 1	476 000	1976
1977	118 AT 04:00 MST ON MAY 14	108 ON MAY 14	0.0858 ON MAR 21	319 000	1977
1978	83.4 B AT 00:00 MST ON MAY 1	80.0 ON MAY 2	0.0148 ON MAR 3	316 000	1978
1979	112 AT 08:00 MST ON MAY 29	111 ON MAY 29	0.0908 ON MAR 1	277 000	1979
1980	8.11 AT 10:30 MST ON OCT 3	7.31 ON OCT 4	0 B ON MAR 1	46 200	1980
1981	55.5 AT 18:30 MST ON MAY 8	54.6 ON MAY 8	0 B ON MAR 1	179 000	1981
1982	80.2 AT 15:00 MST ON MAY 17	57.8 ON MAY 17	0 B ON MAR 1	143 000	1982
1983	59.7 AT 15:00 MST ON APR 28	59.1 ON APR 28	0.0308 ON APR 8	235 000	1983
1984	201 AT 07:00 MST ON AUG 9 *	198 ON AUG 9 *	0 B ON MAR 1	442 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		302 000	MEAN

PONY CREEK NEAR CHARD - STATION NO. 07CE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.783	0.441	2.22	0.475	0.485	---	---	---	1982
1983	---	---	0.037	0.522	0.396	1.41	3.64	1.66	1.37	0.745	---	---	1.10	1983
1984	---	---	0.047	1.00	2.18	2.48	1.96	0.484	0.448	0.852	---	---	1.20	1984
MEAN	---	---	0.042	0.761	1.29	1.58	1.69	1.45	0.765	0.724	---	---	1.15	MEAN

LOCATION - LAT 56 51 35 N
LONG 110 55 00 W
DRAINAGE AREA, 278 km^2

PONY CREEK NEAR CHARD - STATION NO 07CE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	5.73A ON AUG 5	---	---	1982
1983	8.49 AT 12:43 MST ON JUL 28	5.68 ON JUL 27	0.0338 ON MAR 1 *	23 200	1983
1984	8.28 AT 23:38 MST ON MAY 21 *	8.10 ON MAY 22 *	0.0408 ON MAR 11	25 300	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		24 300	MEAN

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	---	---	---	---	1972
1973	0.017	0.014	0.270	0.808	0.428	3.08	1.30	0.831	0.204	0.813	0.252	0.083	0.682	1973
1974	0.018	0.008	0.010	2.49	1.84	0.844	0.577	0.341	0.120	0.183	0.109	0.058	0.531	1974
1975	0.012	0.001	0.002	0.300	1.25	1.11	1.21	0.898	1.34	0.808	0.190	0.028	0.582	1975
1976	0	0	0	0.722	0.325	0.085	0.348	2.76	5.84	2.52	0.648	0.025	1.10	1976
1977	0.003	0.008	0.475	2.42	2.31	2.80	1.78	0.818	0.211	0.884	0.327	0.022	0.889	1977
1978	0	0	0.010	0.434	2.31	1.38	0.830	0.891	8.21	4.04	1.42	0.043	1.68	1978
1979	0.011	0.003	0.013	1.13	9.83	2.55	0.738	1.00	2.83	1.80	1.35	0.237	1.79	1979
1980	0.004	0	0.008	0.859	0.808	0.718	0.114	5.54	3.90	2.42	0.723	0.187	1.26	1980
1981	0.089	0.024	0.162	0.815	1.70	0.477	0.815	0.133	0.028	0.149	0.135	0.018	0.350	1981
1982	0	0	0	0.878	3.82	0.804	0.311	0.520	0.472	0.347	0.281	0.130	0.851	1982
1983	0.010	0.003	0.023	1.59	1.85	0.931	0.321	0.182	0.174	0.178	0.041	0.006	0.442	1983
1984	0	0.001	0.050	0.784	0.588	5.85	1.87	0.500	0.285	1.08	0.573	0.033	0.883	1984
MEAN	0.014	0.005	0.087	1.08	2.23	1.74	0.825	1.15	2.08	1.25	0.484	0.085	0.930	MEAN

LOCATION - LAT 56 54 50 N
LONG 111 27 35 W
DRAINAGE AREA, 151 km^2
REGULATED SINCE 1976

POPLAR CREEK NEAR FORT MCMURRAY - STATION NO. 07DA007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	5.48 ON JUN 17	0 B ON MAR 15 *	---	1973
1974	5.78 AT 00:00 MST ON APR 22	5.32 ON APR 24	0.0088 ON FEB 15	21 500	1974
1975	---	3.20 ON JUL 15	0.0088 ON FEB 3	16 800	1975
1976	17.8 AT 12:30 MST ON AUG 30 *	17.3 ON AUG 30 *	0 B ON DEC 29	18 400	1976
1977	5.95 AT 11:00 MST ON APR 21	5.61 ON OCT 13	0 B ON JAN 1	34 800	1977
1978	15.5 AT 20:38 MST ON SEP 12	15.2 ON SEP 12	0 B ON DEC 30	31 200	1978
1979	14.0 AT 18:50 MST ON MAY 15	13.7 ON MAY 16	0 B ON JAN 1	53 000	1979
1980	11.7 AT 03:05 MST ON AUG 10	11.5 ON AUG 10	0 B ON JAN 15	39 700	1980
1981	3.30 AT 09:45 MST ON APR 28	2.93 ON APR 30	0 B ON FEB 10	11 000	1981
1982	7.38B AT 05:11 MST ON APR 27	6.02 ON MAY 2	0 B ON JAN 1	20 500	1982
1983	3.72 AT 15:55 MST ON MAY 11	3.20E ON APR 18	0 B ON DEC 21	13 800	1983
1984	12.3 AT 08:23 MST ON JUN 7	12.2 ON JUN 8	0 B ON JAN 1	31 000	1984
				29 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0.080	0.078	0.112	0.108	---	---	---	1980
1981	---	---	0.037	0.203	0.102	0.147	0.188	0.085	0.027	0.047	---	---	0.098	1981
1982	---	---	0.022	0.222	0.223	0.072	0.198	0.384	0.041	0.038	---	---	0.150	1982
1983	---	---	0.025	0.085	0.025	0.817	0.758	0.134	0.018	0.038	---	---	0.198	1983
1984	---	---	0.008	0.035	0.095	0.388	0.184	0.029	0.078	0.128	---	---	0.112	1984
MEAN	---	---	0.023	0.139	0.111	0.275	0.270	0.138	0.055	0.071	---	---	0.139	MEAN

LOCATION - LAT 54 43 30 N
LONG 113 34 25 W
DRAINAGE AREA, 57.2 km^2

PORTER CREEK ABOVE BAPTISTE LAKE - STATION NO. 07BE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	---	---	1980
1981	---	0.888A ON JUN 24	0.018B ON MAR 1	2 070	1981
1982	1.38 AT 21:06 MST ON AUG 4	1.33 ON AUG 5	0.013 ON JUL 8	3 190	1982
1983	4.38 AT 20:15 MST ON JUN 25 *	3.07 ON JUN 27 *	0.003 ON MAY 18	4 140	1983
1984	3.15 AT 00:15 MST ON JUN 10	1.03 ON JUN 10	0 B ON MAR 1 *	2 370	1984
				2 940	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE016

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1919	---	---	---	0.366	2.56	1.90	0.202	0.311	0.176	0.953	---	---	---	1919
1920	---	---	---	5.70	5.23	1.77	5.82	1.88	1.78	2.01	---	---	---	1920
1921	---	---	0.536	0.804	1.32	1.42	2.19	0.774	0.259	1.18	---	---	1.06	1921
1922	---	---	0.393	2.36	2.56	2.36	4.69	0.777	0.036	0.588	---	---	1.75	1922
1923	---	---	0.370	0.428	2.53	4.49	3.23	2.28	3.73	0.344	---	---	2.17	1923
1924	---	---	0.120	2.80	2.20	4.22	1.76	0.564	0.342	0.293	---	---	1.48	1924
1925	---	---	4.17	1.36	1.57	3.32	4.18	0.787	0.492	---	---	---	---	1925
1926	---	---	0.014	0.313	0.024	1.56	0.741	0.174	0.714	4.20	---	---	0.969	1926
1927	---	---	---	0.880	8.31	2.46	2.74	2.87	2.32	1.62	---	---	---	1927
1928	---	---	---	1.80	0.788	5.67	4.58	0.875	0.878	1.10	---	---	---	1928
1929	---	---	4.86	3.04	2.36	4.86	1.77	0.005	0.010	0.439	---	---	2.15	1929
1930	---	---	1.36	1.56	2.18	2.00	0.646	0.089	1.07	2.26	---	---	1.43	1930
1931	---	---	0.433	0.550	1.66	2.03	0.116	0.123	0.489	0.134	---	---	0.669	1931
1932	---	---	---	2.21	1.80	1.77	0.850	0.223	---	0.908	---	---	---	1932
1933	---	---	---	1.62	2.33	1.80	1.74	0.284	0.707	0.480	---	---	---	1933
1934	---	---	---	0.556	2.07	3.27	1.16	0.078	0.116	0.387	---	---	---	1934
1935	---	---	0.586	1.50	2.46	1.42	1.30	0.808	0.047	0.278	---	---	1.03	1935
1936	---	---	2.43	4.11	4.24	1.64	0.126	0	0.017	0.004	---	---	1.67	1936
1937	---	---	0.139	1.36	2.48	5.66	1.26	0.065	0.054	0.306	---	---	1.41	1937
1938	---	---	0.696	1.72	3.14	2.33	2.13	0.138	0.402	0.102	---	---	1.33	1938
1939	---	---	---	1.87	3.83	5.31	1.80	0.026	0.048	0.283	---	---	---	1939
1940	---	---	0.673	1.87	2.92	1.36	0.028	0.002	0.044	0.486	---	---	0.933	1940
1941	---	---	0.092	0.812	1.84	2.14	0.689	0.028	0.884	3.86	---	---	1.23	1941
1942	---	---	0.274	2.11	3.78	4.47	2.69	1.84	2.58	1.30	---	---	2.38	1942
1943	---	---	1.38	1.38	2.57	2.34	4.54	1.08	0.386	0.261	---	---	1.74	1943
1944	---	---	0.114	0.388	0.224	3.11	0.288	0.068	0.034	0.078	---	---	0.526	1944
1945	---	---	---	0.374	0.813	3.02	1.19	0.014	0.040	0.150	---	---	---	1945
1946	---	---	0.696	0.127	0.282	3.76	1.81	0.084	0.327	2.02	---	---	1.14	1946
1947	---	---	5.66	1.72	0.928	3.96	1.51	2.42	4.99	7.28	---	---	3.84	1947
1948	---	---	1.84	4.73	2.84	4.21	1.41	0.816	0.291	0.276	---	---	2.05	1948
1949	---	---	0.291	0.388	0.853	1.13	0.300	0.080	0.057	0.295	---	---	0.419	1949
1950	---	---	1.74	1.47	4.52	1.87	3.04	1.20	0.404	7.85	---	---	2.78	1950
1951	---	---	3.62	0.377	10.1	23.0	21.3	14.2	16.1	23.4	---	---	14.0	1951
1952	---	---	---	0.888	3.23	3.07	3.84	4.78	3.83	0.219	---	---	---	1952
1953	---	---	1.54	1.01	2.17	15.0	3.83	0.815	1.85	0.873	0.082	---	3.33	1953
1954	---	---	0.186	0.602	0.765	0.462	0.495	4.24	3.34	0.400	---	---	1.31	1954
1955	---	---	0.582	2.06	4.71	1.07	0.772	0.273	0.548	2.78	---	---	1.80	1955
1956	---	---	0.680	0.822	0.520	0.991	0.739	0.448	3.28	3.28	---	---	1.86	1956
1972	---	---	---	---	0.306	0.561	0.670	0.850	0.858	0.476	---	---	---	1972
1973	---	---	---	---	0.284	0.559	0.434	0.773	0.736	0.631	0.706	---	---	1973
1974	---	---	---	---	0.326	0.173	0.592	0.773	0.721	2.10	3.23	---	---	1974
1975	---	---	---	---	3.32	2.81	0.406	0.408	0.260	5.82	0.109	---	---	1975
1976	---	---	---	---	0.388	0.746	0.373	0.843	0.408	0.827	---	---	---	1976
1977	---	---	---	---	0.462	0.533	0.442	0.456	0.282	0.781	0.733	---	---	1977
1978	---	---	---	---	0.328	0.286	0.588	1.27	1.81	1.13	0.139	---	---	1978
1979	---	---	---	---	1.36	0.609	0.545	0.899	0.346	0.472	1.32	---	---	1979
1980	---	---	---	---	0.700	0.431	0.681	0.443	0.407	0.832	---	---	---	1980
1981	---	---	---	---	0.615	0.630	0.618	0.483	0.388	0.997	3.59	---	---	1981
1982	---	---	---	---	0.328	0.858	0.848	0.481	0.423	0.280	3.59	0.676	---	1982
1983	---	---	---	---	0.188	0.431	0.894	0.563	0.388	2.00	0.173	---	---	1983
1984	---	---	---	---	0.430	0.696	0.820	0.711	0.618	0.618	0.318	---	---	1984
MEAN	---	---	1.38	1.81	2.11	2.64	1.84	1.05	1.19	1.85	1.27	0.676	2.08	MEAN

LOCATION - LAT 49 33 52 N DRAINAGE AREA, 772 km²
LONG 112 49 40 W REGULATED SINCE 1919

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

POTHOLE CREEK AT RUSSELL'S RANCH - STATION NO. 05AE016

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1919	---	11.0 E ON JUN 10	---	---	1919
1920	---	28.4 B ON APR 12	---	---	1920
1921	15.6 AT 18:30 MST ON JUL 2	8.95 ON APR 2	0.0028 ON MAR 10	22 800	1921
1922	21.2 AT 08:30 MST ON JUN 28	15.9 ON JUN 24	0.006 ON SEP 29	37 000	1922
1923	14.7 AT 01:00 MST ON JUN 22	10.7 ON JUN 22	0.0238 ON MAR 1	45 800	1923
1924	15.0 AT 22:30 MST ON JUL 26	12.3 A ON APR 7	0.0578 ON MAR 23	31 400	1924
1925	---	20.2 E ON JUL 6	0 B ON MAR 1 *	---	1925
1926	22.7 AT 08:00 MST ON JUN 20	13.6 ON JUN 20	0 B ON MAR 1	20 500	1926
1927	88.7 AT 09:00 MST ON MAY 30	51.3 ON MAY 30	---	---	1927
1928	32.6 AT 02:00 MST ON JUL 2	28.7 ON JUL 2	---	---	1928
1929	31.1 AT 05:45 MST ON MAR 11	20.2 ON MAR 11	0 ON AUG 15	48 800	1929
1930	---	20.9 E ON JUN 19	0.031 ON AUG 12	30 300	1930
1931	20.0 AT 11:00 MST ON MAY 17	13.6 ON MAY 6	0 ON JUL 17	14 800	1931
1932	15.0 E AT 11:50 MST ON MAY 22	11.3 E ON MAY 22	0 ON JUL 19	---	1932
1933	16.2 AT 12:00 MST ON JUL 9	12.2 ON JUL 9	---	---	1933
1934	14.4 AT 01:00 MST ON JUN 7	13.0 ON JUN 7	0 ON JUL 20	---	1934
1935	18.6 AT 17:30 MST ON APR 16	10.5 ON APR 17	0 ON MAR 6	21 700	1935
1936	19.2 AT 14:00 MST ON JUN 29	15.3 ON JUN 28	0 B ON APR 1	33 300	1936
1937	42.5 AT 08:00 MST ON JUN 13	31.1 ON JUN 13	0 B ON MAR 1	28 700	1937
1938	---	11.3 A ON APR 10	0 B ON MAR 30	28 200	1938
1939	11.2 AT 01:00 MST ON MAY 24	8.75 ON JUN 14	0 ON SEP 23	---	1939
1940	---	8.48A ON APR 24	0 B ON MAR 1	19 700	1940
1941	7.70 AT 23:00 MST ON JUN 1	6.94 ON JUN 2	0 B ON MAR 1	26 000	1941
1942	11.4 AT 12:00 MST ON JUN 6	10.5 ON JUN 6	0.008E ON OCT 31	50 400	1942
1943	11.7 AT 18:00 MST ON JUL 10	11.3 ON JUL 10	0 B ON MAR 1	36 800	1943
1944	10.1 AT 20:30 MST ON JUN 5	7.08 ON JUN 5	0 B ON MAR 1	11 100	1944
1945	5.95 AT 10:30 MST ON JUN 5	5.52 ON JUN 5	0 ON SEP 2	---	1945
1946	13.5 AT 18:00 MST ON JUN 7	10.2 ON JUN 7	0.005 ON APR 29	24 100	1946
1947	53.0 AT 00:45 MST ON MAR 18	38.5 ON MAR 18	0.014 ON AUG 21	83 300	1947
1948	27.9 AT 09:00 MST ON JUN 18	20.8 ON JUN 18	0 B ON MAR 1	43 500	1948
1949	6.14 AT 20:00 MST ON MAY 17	2.87 ON MAY 18	0 B ON MAR 1	6 850	1949
1950	---	25.4 ON OCT 27	0.085 ON SEP 9	58 800	1950
1951	94.9 AT 04:00 MST ON JUN 25 *	66.5 ON JUN 25 *	0 B ON MAR 1	287 000	1951
1952	13.3 AT 14:45 MST ON SEP 9	12.8 ON SEP 9	---	---	1952
1953	81.4 A AT 12:00 MST ON JUN 9	56.6 A ON JUN 9	0.0578 ON MAR 1	70 500	1953
1954	11.4 AT 12:45 MST ON SEP 27	10.8 ON SEP 26	0.108 ON OCT 30	27 800	1954
1955	17.2 AT 08:00 MST ON MAY 19	15.0 ON MAY 19	0 B ON MAR 1	33 900	1955
1956	---	10.5 A ON JUN 17	0 B ON MAR 1	33 400	1956
1972	---	1.16 ON JUL 19	---	---	1972
1973	---	1.03 ON JUN 18	---	---	1973
1974	---	5.60 ON OCT 30	---	---	1974
1975	26.8 AT 07:30 MST ON JUN 21	25.8 ON JUN 21	---	---	1975
1976	16.8 AT 15:00 MST ON AUG 6	9.20 ON AUG 6	---	---	1976
1977	2.87 AT 15:50 MST ON OCT 28	2.84 ON OCT 28	---	---	1977
1978	15.9 AT 03:10 MST ON AUG 23	10.9 ON SEP 13	---	---	1978
1979	---	8.80 ON AUG 24	---	---	1979
1980	---	3.44 ON MAY 26	---	---	1980
1981	---	6.04 ON OCT 30	---	---	1981
1982	---	2.87 ON JUL 1	---	---	1982
1983	7.39 AT 17:50 MST ON JUL 19	3.69 ON OCT 18	---	---	1983
1984	---	1.65 ON JUL 31	---	---	1984
				43 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK NEAR MAGRATH - STATION NO. 05AE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.050	0	---	---	---	---	---	---	---	1914
1915	---	---	---	0.383	0.461	2.20	0.516	0.404	0.174	0.002	---	---	---	1915
1916	---	---	2.47	0.283	1.59	2.08	0.887	0.908	1.62	0.487	---	---	1.28	1916
1917	---	---	---	3.55	1.47	1.16	0.149	0.048	0.324	0.480	---	---	---	1917
1918	---	---	---	---	0.127	0.020	0	0	0	---	---	---	---	1918
1919	---	---	---	0.123	0.148	0.010	---	---	---	---	---	---	---	1919
1920	---	---	---	3.39	2.42	0.092	0.039	0	---	---	---	---	---	1920
1921	---	---	---	0.580	0.088	0.012	0.005	0	0	0	---	---	---	1921
1922	---	---	---	1.32	0.493	0.037	0	0	---	---	---	---	---	1922
1923	---	---	---	---	0.082	0.488	0.002	0	0	---	---	---	---	1923
1924	---	---	---	0.773	0.030	0.347	0.015	---	---	---	---	---	---	1924
1925	---	---	0.511	0.782	0.053	0	---	---	---	---	---	---	---	1925
1927	---	---	0.281	0.748	5.65	1.41	0.980	0.503	1.06	0.802	---	---	1.41	1927
1928	---	---	---	1.57	0.380	1.48	2.95	0.476	0.281	0.380	---	---	---	1928
1929	---	---	---	2.43	0.985	1.11	0.123	0	0	0.028	---	---	---	1929
1930	---	---	1.35	0.865	0.548	0.074	0.043	0	0	0	---	---	0.371	1930
1931	---	---	0.208	0.116	0.028	0.002	---	---	---	---	---	---	---	1931
1932	---	---	---	0.363	0.213	0.018	---	---	---	---	---	---	---	1932
1933	---	---	---	---	0.248	---	---	---	---	---	---	---	---	1933
1934	---	---	---	0.081	0	0.087	---	---	---	---	---	---	---	1934
1935	---	---	---	1.38	0.128	---	---	---	---	---	---	---	---	1935
1936	---	---	1.09	1.28	0.013	---	---	---	---	---	---	---	---	1936
1937	---	---	---	1.28	0.128	0.911	0.002	0	0	0	---	---	---	1937
1938	---	---	0.358	0.782	0.204	0.057	0.045	---	---	---	---	---	---	1938
1939	---	---	0.188	0.003	0	0.018	---	---	---	---	---	---	---	1939
1940	---	---	---	0.676	0.088	0	0	0	0	---	---	---	---	1940
1941	---	---	---	0	0	0	0	0	---	---	---	---	---	1941
1942	---	---	0.183	0.774	0.191	0.821	0.082	0.043	0	0	---	---	0.234	1942
1943	---	---	---	0.878	0.055	0.023	0	0	0	0	---	---	---	1943
1944	---	---	---	0.035	0	0	0	0	0	0	---	---	---	1944
1945	---	---	0.011	0	0	0	0	0	0	0	---	---	0.001	1945
1946	---	---	0.523	0.055	0	0	0	0	0	0	---	---	0.073	1946
1947	---	---	4.00	1.09	0.071	0.109	0.007	0	0	0	---	---	0.663	1947
1948	---	---	0.924	3.79	1.37	2.46	0.057	0	0	0	---	---	1.08	1948
1949	---	---	0.057	0.088	0.285	0.422	2.34	4.00	1.27	0.021	0.211	---	1.08	1949
1950	---	---	0.222	0.188	0.042	0.045	0.056	0.139	5.46	1.27	0.407	---	0.914	1950
1951	---	---	0.353	0.119	2.67	10.3	8.27	6.42	2.03	4.87	---	---	4.51	1951
MEAN	---	---	0.794	0.897	0.548	0.753	0.843	0.518	0.555	0.427	0.309	---	1.05	MEAN

LOCATION - LAT 49 22 36 N DRAINAGE AREA, 374 km²
LONG 112 53 21 W NATURAL FLOW

POTHOLE CREEK NEAR MAGRATH - STATION NO. 05AE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	---	---	---	1914
1915	---	11.3 ON MAR 17	0 ON SEP 29 *	---	1915
1916	---	9.03 ON MAR 10	0.031 ON AUG 8	26 700	1916
1917	---	---	0 ON JUL 25	---	1917
1918	---	---	0 ON JUN 22	---	1918
1919	---	---	0 ON APR 29	---	1919
1920	33.7 AT 23:30 MST ON MAY 17	11.6 B ON APR 12	0 ON JUL 2	---	1920
1921	7.38 AT 04:00 MST ON APR 2	4.13 ON APR 2	0 ON JUN 20	---	1921
1922	---	6.24 E ON APR 21	0 ON APR 19	---	1922
1923	---	---	0 ON JUL 5	---	1923
1924	7.22 AT 04:00 MST ON APR 7	4.70 ON APR 7	0 ON MAY 8	---	1924
1925	---	2.55 A ON MAR 29	0 B ON MAR 1	---	1925
1927	---	39.6 E ON MAY 30 *	0.034 ON MAY 16	29 800	1927
1928	15.0 AT 17:30 MST ON JUL 2	14.2 ON JUL 1	---	---	1928
1929	11.9 AT 09:30 MST ON JUN 2	7.36 ON JUN 2	0 ON JUL 30	---	1929
1930	---	7.08 B ON MAR 21	0 ON JUL 2	7 880	1930
1931	---	---	0 ON JUN 4	---	1931
1932	---	---	0 ON JUN 18	---	1932
1933	---	---	0 ON JUN 8	---	1933
1934	---	---	0 ON APR 15	---	1934
1935	16.1 AT 15:00 MST ON APR 16	9.15 ON APR 16	0 ON MAY 28	---	1935
1936	20.1 AT 05:30 MST ON APR 11	12.8 ON APR 11	0 ON MAY 11	---	1936
1937	23.6 AT 23:30 MST ON JUN 12	16.2 ON JUN 13	0 ON JUL 8	---	1937
1938	8.72 AT 04:30 MST ON APR 10	8.06 ON APR 10	0 E ON JUL 21	---	1938
1939	4.81 AT 19:00 MST ON MAR 20	1.93 ON MAR 20	0 A ON MAR 1	---	1939
1940	2.87 AT 15:00 MST ON APR 24	2.81 ON APR 24	0 ON MAY 23	---	1940
1941	---	---	0 ON MAR 25	---	1941
1942	8.74 AT 09:00 MST ON APR 3	4.02 ON APR 3	0 B ON MAR 1	4 980	1942
1943	---	---	0 ON MAY 31	---	1943
1944	---	---	0 ON APR 14	---	1944
1945	---	0.0572 ON MAR 12	0 ON MAR 1	30.0	1945
1946	1.96 AT 08:48 MST ON MAR 23	1.23 B ON MAR 3	0 E ON APR 27	1 540	1946
1947	---	19.8 B ON MAR 16	0 B ON MAR 1	14 000	1947
1948	12.4 AT 21:30 MST ON APR 17	11.1 ON APR 19	0 B ON MAR 1	22 500	1948
1949	8.17 AT 18:30 MST ON JUL 11	8.89 ON JUL 12	0 B ON MAR 1	22 500	1949
1950	12.4 AT 12:00 MST ON SEP 24	11.8 ON SEP 23	0 ON JUL 24	19 400	1950
1951	38.4 AT 18:00 MST ON JUN 24 *	38.1 ON JUN 25	0.0148 ON MAR 9	95 300	1951
				22 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

POTHOLE CREEK NEAR MAGRATH (LOWER STATION) - STATION NO. 05AE012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	3.91	7.33	4.30	5.01	3.78	1.88	---	---	---	1914
1915	---	---	---	0.847	2.81	6.04	4.17	2.88	1.88	1.80	---	---	---	1915
1916	---	---	2.87	0.703	4.00	5.05	4.85	5.44	6.35	1.82	---	---	3.81	1916
1917	---	---	---	8.10	2.84	3.87	2.28	1.14	1.29	1.87	---	---	---	1917
MEAN	---	---	2.87	3.48	3.39	5.50	3.85	3.84	3.02	1.84	---	---	3.81	MEAN

LOCATION - LAT 49 26 40 N DRAINAGE AREA, 842 km²
LONG 112 49 48 W REGULATED

POTHOLE CREEK NEAR MAGRATH (LOWER STATION) - STATION NO. 05AE012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	---	0 ON OCT 10 *	---	1914
1915	---	---	---	---	1915
1916	---	36.8 ON JUN 26 *	0.0579 ON MAR 3	78 500	1916
1917	---	26.6E ON APR 8	---	---	1917
				78 500	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.202	0.271	0.107	0.206	0.006	---	---	---	1976
1977	---	---	---	0	0.248	0.436	0.685	0.248	0.227	0.072	---	---	0.274	1977
1978	---	---	---	0	0.002	0.037	0.089	0.118	---	---	---	---	---	1978
1979	---	---	---	0	0.048	0.367	0.462	0.456	0.228	0.106	---	---	0.237	1979
1980	---	---	---	0	0.114	0.124	0.382	0.242	0.244	0.088	---	---	0.174	1980
1981	---	---	---	0	0	0.175	0.435	0.274	0.300	0.184	---	---	0.197	1981
1982	---	---	---	0	0.024	0.418	0.373	0.578	0.209	0.101	---	---	0.244	1982
1983	---	---	---	0.001	0.080	0.705	0.618	0.481	0.231	0.017	---	---	0.303	1983
1984	---	---	---	0	0.201	0.618	0.900	0.407	0.074	0.011	---	---	0.317	1984
MEAN	---	---	---	0	0.091	0.361	0.467	0.321	0.215	0.076	---	---	0.249	MEAN

LOCATION - LAT 49 22 37 N
LONG 112 53 52 W REGULATED

POTHOLE TURNOUT NEAR MAGRATH - STATION NO. 05AE038

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1976	---	0.849 ON JUN 3	0 ON JUN 16 *	---	1976
1977	---	0.887 ON JUL 28	0E ON APR 1	5 070	1977
1978	---	0.320 ON AUG 13	0E ON APR 1	---	1978
1979	---	0.817 ON JUL 31	0 ON APR 1	4 370	1979
1980	---	0.485 ON AUG 7	0A ON APR 1	3 220	1980
1981	---	0.532 ON JUL 29	0 ON APR 1	3 650	1981
1982	---	0.781 ON AUG 10	0E ON APR 1	4 520	1982
1983	---	0.825 ON JUN 30	0 ON APR 1	5 520	1983
1984	---	1.13 ON JUL 21 *	0 ON APR 1	5 860	1984
				4 520	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	0.045	0.084	0.011	0.083	0	0	0	0	---	---	0.025	1970
1971	---	---	0.441	0.135	0.012	0.048	0	0	0	0	---	---	0.080	1971
1972	---	---	2.68	0.541	0.078	0.003	0	0	0	0	---	---	0.415	1972
1973	---	---	0.051	0.005	0.001	0	0	0	0	0	---	---	0.006	1973
1974	---	---	0.388	0.040	0.342	0.001	0	0	0	0	---	---	0.095	1974
1975	---	---	0	1.EE	0.485	0.878	0.006	0	0	0.018	---	---	0.344	1975
1976	---	---	0.333	0.083	0.030	0.053	0.003	0.221	0	0	---	---	0.082	1976
1977	---	---	0.030	0.245	0.002	0	0	0	0	0	---	---	0.035	1977
1978	---	---	1.78	0.190	0.142	0.022	0.533	0.271	0.482	0.048	---	---	0.442	1978
1979	---	---	1.69	0.517	0.304	0.039	0.001	0.003	0.001	0.013	---	---	0.322	1979
1980	---	---	0.182	0.111	0.071	0.034	0	0	0	0	---	---	0.051	1980
1981	---	---	0.031	0.024	1.33	0.650	0.030	0.008	0	0.028	---	---	0.263	1981
1982	---	---	0.124	0.486	0.045	0.018	0.005	0	0	0	---	---	0.085	1982
1983	---	---	0.001	0.011	0.026	0	0	0	0	0	---	---	0.005	1983
1984	---	---	0	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	---	0.516	0.274	0.190	0.109	0.045	0.034	0.030	0.007	---	---	0.151	MEAN

LOCATION - LAT 49 33 50 N DRAINAGE AREA, 227 km²
LONG 112 57 32 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1971

PRAIRIE BLOOD COULEE NEAR LETHBRIDGE - STATION NO. 05AD035

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	0.881 AT 18:47 MST ON JUN 18	0.807 ON JUN 18	0B ON MAR 1 *	531	1970
1971	---	2.01 ON MAR 30	0 ON JUL 5	1 890	1971
1972	23.8 AT 02:00 MST ON MAR 12	17.3 B ON MAR 11 *	0B ON MAR 1	6 780	1972
1973	---	0.430B ON MAR 1	0 ON MAY 16	177	1973
1974	4.18 B AT 13:00 MST ON MAR 12	2.38 B ON MAR 12	0B ON MAR 1	2 010	1974
1975	15.2 AT 17:40 MST ON JUN 20	9.12 ON APR 28	0B ON MAR 1	7 290	1975
1976	14.8 B AT 10:00 MST ON MAR 17	3.81 B ON MAR 17	0B ON MAR 1	1 950	1976
1977	3.26 AT 22:20 MST ON APR 8	2.48 ON APR 7	0 ON MAY 7	732	1977
1978	26.0 AT 20:16 MST ON MAR 20 *	13.2 ON MAR 20	0B ON MAR 1	9 360	1978
1979	---	5.69 B ON MAR 8	0B ON MAR 1	6 820	1979
1980	---	1.30 B ON MAR 1	0B ON MAR 6	1 080	1980
1981	19.8 AT 08:25 MST ON MAY 23	14.1 ON MAY 23	0 ON AUG 23	5 570	1981
1982	7.05 AT 18:45 MST ON APR 12	4.80 ON APR 12	0B ON MAR 1	1 810	1982
1983	0.161 AT 14:45 MST ON MAY 1	0.136 ON MAY 1	0A ON MAR 1	101	1983
1984	---	0 ON MAR 1	0 ON MAR 1	0	1984
				3 190	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	3.97	2.28	1.35	1.16	0.866	0.735	---	---	---	1973
1974	---	---	0.331	1.36	6.37	3.63	2.24	1.15	1.18	1.41	---	---	2.20	1974
1975	---	---	0.335	0.466	1.58	1.43	1.13	0.819	0.572	0.427	---	---	0.845	1975
1976	---	---	0.272	0.765	0.868	1.35	0.893	1.53	0.870	0.552	---	---	0.886	1976
1977	---	---	0.304	0.891	6.15	3.13	1.54	1.54	1.86	0.977	---	---	2.06	1977
1978	---	---	0.366	1.23	3.49	4.80	3.26	2.50	3.11	1.40	---	---	2.50	1978
1979	---	---	0.555	1.33	1.78	1.47	0.791	0.719	0.436	0.403	---	---	0.935	1979
1980	---	---	0.211	1.38	1.87	4.73	2.50	1.35	1.28	0.845	---	---	1.78	1980
1981	---	---	0.384	0.551	5.84	2.25	7.88	4.58	1.50	1.13	---	---	3.05	1981
1982	---	---	0.085	0.742	1.87	2.10	5.56	1.63	1.00	1.01	---	---	1.77	1982
1983	---	---	0.361	1.02	2.80	1.76	3.00	0.747	0.575	0.616	---	---	1.34	1983
1984	---	---	0.330	0.624	0.731	3.03	0.534	0.324	0.825	1.13	---	---	0.934	1984
MEAN	---	---	0.319	0.934	3.08	2.65	2.56	1.53	1.17	0.886	---	---	1.66	MEAN

LOCATION - LAT 52 15 10 N, LONG 115 17 30 W. DRAINAGE AREA, 206 km^2. NATURAL FLOW

PRAIRIE CREEK BELOW LICK CREEK - STATION NO. 05DB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	7.62 ON MAY 27	---	---	1973
1974	---	10.8 ON MAY 25	0.300B ON MAR 1	46 600	1974
1975	---	2.74A ON MAY 7	0.188B ON APR 6	17 900	1975
1976	4.19 AT 20:30 MST ON AUG 16	3.74 ON AUG 17	0.252B ON MAR 1	16 600	1976
1977	22.8 AT 18:00 MST ON MAY 28	17.1 ON MAY 28	0.283B ON MAR 16	43 700	1977
1978	15.4 AT 01:10 MST ON MAY 31	13.0 ON MAY 31	0.300B ON MAR 1	52 900	1978
1979	5.04B AT 03:00 MST ON APR 28	4.00B ON APR 27	0.370E ON OCT 31	19 800	1979
1980	20.9 AT 10:30 MST ON JUN 5	19.0 ON JUN 5	0.200B ON MAR 1	37 400	1980
1981	29.5 AT 16:50 MST ON JUL 24 *	23.2 ON JUL 24	0.300B ON MAR 20	84 500	1981
1982	26.6 AT 06:08 MST ON JUL 5	24.6 ON JUL 5 *	0.010B ON MAR 1 *	37 400	1982
1983	11.4 AT 14:36 MST ON JUL 3	8.73 ON JUL 3	0.296B ON MAR 6	28 300	1983
1984	17.0 AT 13:50 MST ON JUN 9	15.1 ON JUN 9	0.243B ON MAR 11	19 800	1984
				35 200	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

PRAIRIE CREEK NEAR RANGER STATION - STATION NO. 05DB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	0.178	0.433	1.03	1.26	4.29	1.13	0.636	0.559	---	---	1.48	1969
1970	---	---	0.185	0.273	1.27	2.76	1.29	0.432	0.386	0.321	---	---	1.07	1970
1971	---	---	0.172	0.433	1.16	3.10	1.00	0.404	0.336	0.277	---	---	0.873	1971
1972	---	---	0.109	0.359	1.11	4.90	2.00	0.838	0.939	0.608	---	---	1.75	1972
1973	---	---	---	---	2.31	1.52	0.948	0.757	0.528	0.413	---	---	1.08	1973
MEAN	---	---	0.184	0.378	1.37	2.51	1.90	0.710	0.567	0.476	---	---	1.25	MEAN

LOCATION - LAT 52 14 40 N, LONG 115 18 05 W. DRAINAGE AREA, 95.8 km^2. NATURAL FLOW

PRAIRIE CREEK NEAR RANGER STATION - STATION NO. 05DB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	19.7 AT 08:17 MST ON JUL 5	18.4 ON JUL 5	0.384 ON JUN 18	23 500	1969
1970	25.3 AT 14:00 MST ON JUN 18	15.9 ON JUN 18	0.201 ON OCT 31 *	17 000	1970
1971	7.36E ON JUN 6	4.98E ON JUN 6	0.235 ON OCT 26	13 800	1971
1972	45.8 AT 15:00 MST ON JUN 25 *	40.5 ON JUN 25 *	0.323 ON SEP 4	27 800	1972
1973	4.47 AT 01:30 MST ON MAY 28	4.22 ON MAY 27	0.368E ON SEP 5	17 200	1973
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		19 900	MEAN

E - ESTIMATED

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	---	---	2.03	2.03	4.65	2.44	2.11	---	---	---	1922
1923	---	---	---	2.72	3.75	10.4	11.5	10.3	5.10	3.88	---	---	---	1923
1924	---	---	---	1.98	5.58	4.28	2.65	3.20	2.43	2.34	---	---	---	1924
1925	---	---	---	3.72	2.51	6.40	3.07	12.0	12.9	11.0	---	---	---	1925
1951	---	---	---	---	---	---	---	---	14.3	7.87	---	---	---	1951
1952	---	---	3.15	5.81	5.65	23.0	14.3	7.53	5.56	3.95	---	---	---	1952
1953	---	---	2.46	4.32	7.67	13.4	10.6	6.55	5.71	4.03	---	---	---	1953
1954	---	---	3.07	4.47	17.8	24.8	8.07	16.4	22.3	10.2	---	---	---	1954
1955	---	---	1.81	4.41	13.6	13.8	7.47	4.32	3.50	3.12	---	---	---	1955
1956	---	---	2.06	4.17	3.45	4.07	4.60	3.34	2.76	2.13	---	---	---	1956
1957	---	---	1.17	5.66	7.24	6.16	4.22	4.37	4.28	3.28	---	---	---	1957
1958	---	---	1.65	4.43	6.17	6.39	5.94	3.95	3.20	2.55	---	---	---	1958
1959	---	---	1.95	3.02	2.80	12.5	9.95	4.30	3.71	3.74	---	---	---	1959
1960	---	---	2.35	4.55	5.15	6.90	5.53	2.68	2.10	1.66	---	---	---	1960
1961	---	---	1.63	3.13	5.61	2.45	2.49	2.58	2.35	2.29	0.743	1.32	---	1961
1962	1.20	1.04	1.06	2.30	5.03	3.45	4.16	5.16	3.29	2.77	2.09	1.38	2.80	1962
1963	1.32	1.28	1.09	4.69	5.71	7.81	11.9	9.04	5.52	3.97	1.51	0.805	4.63	1963
1964	0.88E	0.872	0.399	1.66	17.7	12.3	8.92	3.42	4.72	3.68	2.30	1.38	4.73	1964
1965	1.42	1.80	1.47	4.28	9.68	22.7	21.6	8.47	13.7	8.03	5.63	2.64	8.22	1965
1966	2.17	2.45	2.82	3.64	4.66	5.15	8.09	5.64	5.11	4.34	1.62	2.08	3.97	1966
1967	1.88	1.62	1.69	1.88	6.12	11.5	5.84	3.73	2.39	2.17	2.26	1.79	3.76	1967
1968	1.66	2.16	2.16	2.10	3.36	4.07	6.37	5.09	3.66	3.51	2.31	1.70	3.16	1968
1969	1.41	1.89	2.38	3.89	5.78	5.87	21.8	8.89	4.90	4.24	3.44	3.57	5.86	1969
1970	1.70	1.43	1.48	2.46	7.56	15.1	10.6	3.86	3.32	3.20	1.49	1.66	4.51	1970
1971	1.36	1.12	1.66	7.31	6.15	10.8	5.84	3.03	2.52	2.27	1.87	1.47	3.76	1971
1972	1.26	1.16	1.65	2.78	6.15	17.2	12.6	5.56	5.97	5.12	3.86	2.26	5.40	1972
1973	2.06	1.80	1.98	4.54	11.2	8.30	6.15	4.83	3.77	3.15	2.06	2.03	4.32	1973
1974	1.44	1.55	1.64	4.72	18.6	11.2	8.03	5.31	4.40	4.98	3.30	2.15	6.47	1974
1975	1.61	1.80	1.82	2.82	5.67	4.35	3.56	2.57	2.13	1.81	1.38	1.40	2.56	1975
1976	1.37	1.46	1.61	2.64	2.49	3.95	3.84	4.97	2.93	2.12	2.00	1.73	2.51	1976
1977	1.41	1.43	1.42	2.11	11.1	8.13	4.68	4.56	5.00	3.71	2.40	2.11	4.02	1977
1978	1.55	1.57	1.62	3.61	6.67	10.4	7.44	7.21	6.10	5.32	4.03	3.05	5.07	1978
1979	2.10	1.88	2.48	3.07	8.00	3.84	2.64	2.33	1.86	1.83	0.984	1.31	2.38	1979
1980	1.04	0.878	1.10	3.46	3.82	5.73	5.73	4.65	4.38	2.98	2.38	2.24	3.62	1980
1981	1.56	1.47	2.32	1.89	5.62	6.65	16.4	14.6	6.35	4.52	3.36	2.16	5.69	1981
1982	1.62	1.46	1.60	3.11	4.46	4.85	14.8	8.19	4.38	4.07	3.12	2.25	4.64	1982
1983	1.60	1.37	1.73	5.88	5.40	4.44	7.78	2.88	2.33	2.20	1.81	1.36	3.33	1983
1984	1.24	1.36	1.84	2.39	2.32	6.72	2.00	1.31	3.27	3.09	1.90	1.41	2.37	1984
MEAN	1.62	1.52	1.81	3.80	6.86	8.32	7.98	5.76	5.18	3.86	2.40	1.89	4.22	MEAN

LOCATION - LAT 52 16 20 N DRAINAGE AREA, 859 km^2
LONG 114 55 50 W NATURAL FLOW

PRAIRIE CREEK NEAR ROCKY MOUNTAIN HOUSE - STATION NO. 05DB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1922	---	15.4 ON AUG 17	---	---	1922
1923	58.9 AT 20:00 MST ON JUN 24	57.5 ON JUN 24	---	---	1923
1924	---	11.8 ON MAY 3	---	---	1924
1925	43.8 AT 17:45 MST ON AUG 17	42.9 ON AUG 17	---	---	1925
1951	---	---	---	---	1951
1952	94.3 AT 17:00 MST ON JUN 24	88.1 ON JUN 24	---	---	1952
1953	---	28.3 ON JUN 4	---	---	1953
1954	94.6 AT 09:00 MST ON AUG 27	84.0 ON AUG 28	---	---	1954
1955	---	36.8 ON JUN 1	---	---	1955
1956	---	8.418 ON APR 18	---	---	1956
1957	---	18.4 ON APR 30	---	---	1957
1958	---	17.9 ON JUL 2	---	---	1958
1959	---	43.6 ON JUN 28	---	---	1959
1960	---	22.5 ON MAY 19	---	---	1960
1961	---	8.63 ON MAY 5	---	---	1961
1962	17.4 AT 01:00 MST ON MAY 16	17.1 ON MAY 16	0.6638 ON MAR 23	68 500	1962
1963	42.2 AT 03:00 MST ON JUL 17	36.8 ON JUL 17	B 4.467B ON NOV 19	148 000	1963
1964	109 AT 04:00 MST ON MAY 6	90.0 ON MAY 6	0.2658 ON MAR 25 *	149 000	1964
1965	68.8 AT 05:00 MST ON JUN 30	65.4 ON JUN 30	1.20 B ON MAR 18	259 000	1965
1966	32.3 AT 13:00 MST ON JUL 4	29.7 ON JUL 4	0.3408 ON NOV 7	125 000	1966
1967	22.0 AT 08:00 MST ON JUN 1	21.2 ON JUN 1	1.23 B ON MAR 14	116 000	1967
1968	22.5 AT 19:32 MST ON JUL 21	20.4 ON JUL 22	1.36 B ON JAN 12	101 000	1968
1969	69.4 AT 19:13 MST ON JUL 6	67.4 ON JUL 6	1.36 B ON JAN 23	178 000	1969
1970	70.5 AT 18:29 MST ON JUN 17	64.6 ON JUN 17	1.02 B ON NOV 5	142 000	1970
1971	24.9 AT 10:00 MST ON JUN 10	24.0 ON JUN 10	1.06 B ON FEB 7	118 000	1971
1972	118 E AT 21:00 ON JUN 26 *	102 E ON JUN 26 *	1.10 B ON FEB 23	171 000	1972
1973	20.4 AT 23:30 MST ON MAY 28	19.4 ON MAY 28	1.75 B ON FEB 7	136 000	1973
1974	23.5 AT 22:20 MST ON MAY 21	23.0 ON MAY 20	1.25 B ON JAN 30	172 000	1974
1975	11.6 AT 11:00 MST ON MAY 6	11.2 ON MAY 6	1.22 B ON NOV 21	80 800	1975
1976	11.6 AT 19:00 MST ON AUG 8	9.77 ON AUG 17	1.33 B ON JAN 27	78 500	1976
1977	38.2 AT 19:00 MST ON MAY 30	34.0 ON MAY 30	1.26 ON MAY 3	127 000	1977
1978	22.4 E AT 01:00 MST ON JUN 1	19.0 E ON JUN 1	1.33 B ON MAR 6	180 000	1978
1979	8.43 AT 21:00 MST ON APR 28	7.93 ON APR 29	0.6908 ON NOV 1	75 100	1979
1980	28.1 AT 10:00 MST ON JUN 6	27.0 ON JUN 6	0.8508 ON JAN 26	114 000	1980
1981	64.8 AT 15:00 MST ON JUL 31	49.5 ON JUL 31	1.32 ON MAY 4	186 000	1981
1982	---	41.2 A ON JUL 6	1.24 B ON MAR 2	153 000	1982
1983	18.5 AT 14:38 MST ON JUL 4	17.3 ON JUL 4	1.20 B ON JAN 25	105 000	1983
1984	26.1 AT 13:54 MST ON JUN 10	25.3 ON JUN 10	0.957 ON AUG 29	75 000	1984
				133 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.018	0.075	0.036	0.055	0.070	0.010	0.003	0.010	---	---	0.034	1981
1982	---	---	0	0.126	0.070	0.012	0.034	0.038	0.018	0.018	---	---	0.038	1982
1983	---	---	0.002	0.047	0.021	0.024	0.247	0.048	0.003	0.012	---	---	0.051	1983
1984	---	---	0.018	0.056	0.061	0.118	0.015	0.008	0.012	0.013	---	---	0.037	1984
MEAN	---	---	0.009	0.076	0.047	0.053	0.092	0.026	0.009	0.013	---	---	0.040	MEAN

LOCATION - LAT 54 32 20 N, LONG 111 13 40 W
DRAINAGE AREA, 395 km^2
NATURAL FLOW

PUNK CREEK NEAR THE MOUTH - STATION NO. 06AB003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	0.131 AT 14:10 MST ON JUN 22	0.123 ON JUL 8	0 B ON MAR 1 *	724	1981
1982	0.7508 AT 11:00 MST ON APR 28	0.5008 ON APR 25	0 B ON MAR 1	433	1982
1983	1.11 AT 21:24 MST ON JUL 22 *	1.06 ON JUL 22 *	0 B ON MAR 1	1 080	1983
1984	0.323 AT 00:57 MST ON JUN 2	0.288 ON JUN 2	0.001 ON JUN 27	756	1984
				887	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

QUIGLEY CREEK NEAR HINTON - STATION NO. 07AF005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.150	0.080	0.161	0.385	---	---	---	1972
1973	---	---	---	---	0.051	0.227	0.085	0.048	0.021	---	---	---	---	1973
1974	---	---	---	---	0.520	0.081	0.105	0.052	---	---	---	---	---	1974
MEAN	---	---	---	---	0.638	0.159	0.107	0.053	0.091	0.285	---	---	---	MEAN

LOCATION - LAT 53 21 00 N, LONG 117 24 00 W
DRAINAGE AREA, 15.3 km^2
NATURAL FLOW

QUIGLEY CREEK NEAR HINTON - STATION NO. 07AF003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	1.47 AT 22:30 MST ON MAY 27 *	1.22 ON MAY 28 *	---	---	1973
1974	1.12 AT 04:10 MST ON MAY 8	1.03 ON MAY 8	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	10.1	3.40	1.32	0.855	0.865	---	---	---	1966
1967	---	---	0.193	0.495	12.8	20.6	4.81	1.05	0.485	0.499	---	---	5.09	1967
1968	---	---	0.377	0.620	10.2	11.1	3.04	1.05	1.30	1.52	---	---	3.84	1968
1969	---	---	0.326	4.14	10.3	10.1	4.20	1.07	0.868	0.506	---	---	3.90	1969
1970	---	---	0.395	0.430	8.80	9.18	1.58	0.606	0.600	0.480	---	---	2.78	1970
1971	---	---	0.266	1.61	15.5	12.8	2.91	0.988	0.629	0.900	---	---	4.41	1971
1972	---	---	0.600	1.85	17.9	20.8	5.30	2.14	1.34	1.35	---	---	8.40	1972
1973	---	---	0.308	0.620	7.73	8.55	1.50	0.613	0.441	0.415	---	---	2.30	1973
1974	---	---	0.300	1.82	12.5	22.2	4.74	1.33	0.714	0.620	---	---	5.49	1974
1975	---	---	0.218	0.420	8.80	16.1	4.78	1.58	0.884	1.02	---	---	4.22	1975
1976	---	---	0.335	2.80	13.3	5.24	2.62	10.9	1.59	0.738	---	---	4.88	1976
1977	---	---	0.259	1.59	3.73	2.16	0.706	1.03	1.27	0.881	---	---	1.42	1977
1978	---	---	0.365	1.34	11.0	10.3	4.87	1.56	0.982	0.736	---	---	3.90	1978
1979	---	---	---	---	9.42	7.06	1.72	0.704	0.458	0.362	---	---	---	1979
1980	---	---	---	---	9.47	5.23	1.31	0.763	0.887	0.616	---	---	---	1980
1981	---	---	---	---	18.5	11.3	2.72	1.07	0.574	0.481	---	---	---	1981
1982	---	---	0.431	0.624	7.09	10.6	2.65	0.770	0.597	0.573	---	---	2.83	1982
1983	---	---	---	1.17	8.08	4.65	1.88	0.781	0.482	0.408	---	---	---	1983
1984	---	---	---	1.24	4.72	5.86	1.81	0.810	0.467	0.427	---	---	---	1984
MEAN	---	---	0.355	1.36	10.4	10.7	2.88	1.56	0.788	0.883	---	---	3.93	MEAN

LOCATION - LAT 49 50 18 N, LONG 114 25 06 W DRAINAGE AREA, 217 km^2, NATURAL FLOW

RACEHORSE CREEK NEAR THE MOUTH - STATION NO. 05AA027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	24.6 AT 21:00 MST ON MAY 28	24.1 ON MAY 28	---	---	1966
1967	58.8 AT 14:30 MST ON MAY 30	48.1 ON MAY 30	0.142B ON MAR 1 *	108 000	1967
1968	44.2 AT 23:58 MST ON MAY 22	36.6 ON MAY 23	0.300 ON APR 8	77 000	1968
1969	23.1 AT 10:12 MST ON JUN 26	22.0 ON JUN 26	0.210B ON MAR 6	82 500	1969
1970	25.3 AT 18:53 MST ON MAY 26	22.9 ON MAY 26	0.282B ON OCT 27	56 400	1970
1971	31.4 AT 23:00 MST ON MAY 27	28.2 ON MAY 27	0.190B ON MAR 22	93 400	1971
1972	58.7 AT 21:30 MST ON MAY 31	49.8 ON JUN 1	0.258B ON MAR 1	136 000	1972
1973	33.1 AT 22:00 MST ON MAY 17	18.0 ON MAY 18	0.275A ON MAR 1	48 700	1973
1974	44.5 AT 22:20 MST ON JUN 16	37.9 ON JUN 16	0.204B ON MAR 8	116 000	1974
1975	48.7 AT 01:15 MST ON JUN 20	37.8 ON JUN 20	0.181B ON APR 3	88 200	1975
1976	88.8 AT 18:40 MST ON AUG 6 *	50.7 ON AUG 6 *	0.283B ON MAR 13	98 800	1976
1977	10.0 AT 03:30 MST ON MAY 11	7.55 ON MAY 11	0.214B ON MAR 18	30 200	1977
1978	28.0 AT 00:50 MST ON JUN 8	22.4 ON MAY 22	0.184B ON MAR 16	82 800	1978
1979	35.0 AT 20:25 MST ON MAY 26	26.1 ON MAY 26	---	---	1979
1980	30.8 AT 04:25 MST ON APR 30	24.0 ON APR 30	---	---	1980
1981	85.8 AT 23:20 MST ON MAY 25	45.2 ON MAY 26	---	---	1981
1982	20.8 AT 21:41 MST ON JUN 15	18.8 ON JUN 16	0.359B ON APR 8	82 100	1982
1983	14.8 AT 21:20 MST ON MAY 25	13.0 ON MAY 26	---	---	1983
1984	15.0 AT 20:27 MST ON MAY 30	11.2 ON MAY 30	---	---	1984
				83 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RAM RIVER AT RAM GLACIER - STATION NO. 05DC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	0.274	0.197	---	---	---	---	---	1968
1969	---	---	---	---	---	---	0.240	0.263	0.069	---	---	---	---	1969
1970	---	---	---	---	---	---	0.510	0.420	---	---	---	---	---	1970
1971	---	---	---	---	---	---	---	0.485	---	---	---	---	---	1971
1972	---	---	---	---	---	0.181	0.226	0.421	0.054	---	---	---	---	1972
1973	---	---	---	---	---	0.043	0.162	0.168	0.042	---	---	---	---	1973
1974	---	---	---	---	---	0.220	0.285	0.182	0.053	---	---	---	---	1974
MEAN	---	---	---	---	---	0.151	0.280	0.305	0.053	---	---	---	---	MEAN

LOCATION - LAT 51 51 15 N, LONG 116 11 27 W DRAINAGE AREA, 3.73 km^2, NATURAL FLOW

RAM RIVER AT RAM GLACIER - STATION NO. 08DC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	0.815 AT 08:17 MST ON JUN 13	0.802 ON JUL 9	---	---	1968
1969	1.52 AT 15:27 MST ON AUG 24	0.587 ON AUG 24	0 ON SEP 27 *	---	1969
1970	2.49 AT 16:00 MST ON JUL 10 *	0.885 ON JUL 19 *	---	---	1970
1971	---	0.850 ON AUG 8	---	---	1971
1972	1.80 AT 01:00 MST ON AUG 30	0.648 ON AUG 6	---	---	1972
1973	---	0.487 ON JUL 21	---	---	1973
1974	---	---	---	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD	---	---	MEAN

RAM RIVER NEAR THE MOUTH - STATION NO. 08DC008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	---	---	1915
1967	---	---	---	6.21	26.6	44.0	16.6	10.6	6.71	5.42	---	---	---	1967
1968	---	---	---	3.45	19.2	31.5	32.6	23.7	15.1	12.2	---	---	---	1968
1969	---	---	---	11.1	34.7	41.7	69.6	25.2	13.2	9.29	---	---	---	1969
1970	---	---	2.74	3.70	25.9	54.2	26.9	9.23	7.26	6.23	---	---	---	1970
1971	---	---	2.75	7.84	28.9	66.1	21.8	10.1	7.43	5.60	---	---	---	1971
1972	---	---	3.37	4.83	26.0	96.0	44.8	22.3	25.6	19.6	---	---	---	1972
1973	---	---	2.84	5.61	56.7	46.7	28.1	15.4	13.6	8.49	---	---	---	1973
1974	---	---	2.61	10.2	42.3	66.5	35.4	17.7	12.7	11.6	---	---	---	1974
1975	---	---	3.08	2.77	14.5	21.6	17.3	11.0	7.05	5.44	3.90	3.31	---	1975
1976	2.66	2.68	3.21	5.80	15.2	17.3	20.1	23.1	12.4	8.66	4.18	3.86	9.65	1976
1977	3.29	2.83	2.36	6.34	36.1	35.6	20.2	21.0	18.9	11.6	5.31	4.13	14.1	1977
1978	3.43	2.79	3.20	7.66	30.6	72.9	44.6	26.1	30.4	15.0	6.91	5.91	21.0	1978
1979	3.61	3.16	3.43	7.62	24.3	26.9	14.6	11.9	8.25	6.14	3.61	4.62	9.78	1979
1980	2.66	2.64	3.05	12.3	26.6	69.4	29.5	18.6	17.1	12.2	6.37	5.10	18.9	1980
1981	4.06	3.77	4.02	6.06	45.6	24.5	94.5	43.9	13.7	10.1	7.47	4.07	22.0	1981
1982	2.69	2.66	2.67	6.78	10.0	42.7	55.0	14.6	11.0	10.3	6.73	4.76	14.4	1982
1983	3.23	3.10	3.04	6.70	26.0	23.6	36.3	9.26	7.59	7.11	4.53	4.46	11.2	1983
1984	3.26	3.31	2.66	5.22	11.6	62.2	13.7	8.66	12.3	20.6	8.46	4.53	13.0	1984
MEAN	3.23	3.06	3.00	6.66	28.0	46.0	34.7	18.1	13.4	10.3	5.76	4.46	14.6	MEAN

LOCATION - LAT 52 21 55 N LONG 116 26 33 W
DRAINAGE AREA, 1 660 km^2
NATURAL FLOW

RAM RIVER NEAR THE MOUTH - STATION NO. 08DC008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	851 ON JUN 27 *	---	---	---	1915
1967	118 AT 04:30 MST ON MAY 31	101 ON MAY 31	---	---	1967
1968	86.1 AT 11:01 MST ON JUL 22	87.2 ON JUL 22	---	---	1968
1969	241 AT 06:42 MST ON JUL 6	227 ON JUL 6	---	---	1969
1970	303 AT 12:00 MST ON JUN 18	239 ON JUN 18	---	---	1970
1971	246 AT 10:00 MST ON JUN 8	203 ON JUN 8	---	---	1971
1972	470 AT 09:00 MST ON JUN 25	413 ON JUN 25 *	---	---	1972
1973	---	114 ON MAY 31	---	---	1973
1974	153 AT 03:30 MST ON JUN 17	116 ON JUN 17	---	---	1974
1975	39.1 AT 09:30 MST ON JUN 3	31.4 ON JUN 3	---	---	1975
1976	---	40.2A ON AUG 10	2.24 ON NOV 14	311 000	1976
1977	103 AT 08:00 MST ON JUN 2	88.8 ON JUN 2	1.44 ON APR 8 *	445 000	1977
1978	142 AT 10:30 MST ON JUN 6	122 ON JUN 6	2.70B ON FEB 13	864 000	1978
1979	80.6 AT 06:30 MST ON MAY 27	70.2 ON MAY 27	2.39 ON NOV 6	309 000	1979
1980	237 AT 08:45 MST ON JUN 6	223 ON JUN 6	2.30B ON JAN 26	687 000	1980
1981	342 AT 20:15 MST ON JUL 14	278 ON JUL 15	2.60B ON DEC 31	885 000	1981
1982	129 AT 08:43 MST ON JUL 8	126 ON JUL 8	2.05B ON APR 8	464 000	1982
1983	80.9 AT 09:00 MST ON JUL 4	81.5E ON JUL 3	2.16B ON APR 13	355 000	1983
1984	135 AT 22:15 MST ON JUN 2	124 ON JUN 3	2.67B ON MAR 14	412 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		471 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED

RAT CREEK NEAR CYNTHIA - STATION NO. 07BA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	3.78	9.33	16.5	8.02	1.88	1.78	4.70	---	---	---	1972
1973	---	---	0.228	8.78	9.82	3.14	1.78	3.27	2.02	2.03	---	---	3.87	1973
1974	---	---	0.412	11.7	16.7	3.08	5.37	1.86	1.27	1.34	---	---	5.32	1974
1975	---	---	0.497	1.14	2.83	3.01	5.55	1.01	0.854	0.580	---	---	1.94	1975
1976	---	---	0.460	4.35	1.68	1.58	2.85	8.43	1.95	0.875	---	---	2.51	1976
1977	---	---	0.308	2.27	17.6	5.69	2.94	7.05	5.03	2.86	---	---	5.99	1977
1978	---	---	0.854	2.65	5.40	13.5	4.65	1.82	5.70	2.77	---	---	4.82	1978
1979	---	---	0.735	2.81	7.17	5.86	3.59	1.21	0.488	0.772	---	---	2.80	1979
1980	---	---	0.345	4.12	4.33	21.6	11.2	4.55	5.85	2.53	---	---	8.87	1980
1981	---	---	0.848	2.16	5.37	5.32	1.81	0.992	0.431	0.588	---	---	2.18	1981
1982	---	---	0.348	2.58	4.70	3.25	30.6	1.98	2.98	2.61	---	---	5.17	1982
1983	---	---	0.300	1.78	2.55	3.66	12.0	1.38	0.778	0.818	---	---	2.82	1983
1984	---	---	0.435	1.87	5.04	3.54	0.848	0.404	4.58	2.57	---	---	2.59	1984
MEAN	---	---	0.488	3.84	7.20	7.12	7.08	2.57	2.73	1.92	---	---	3.97	MEAN

LOCATION - LAT 53 08 17 N DRAINAGE AREA, 806 km²
LONG 115 29 17 W NATURAL FLOW

RAT CREEK NEAR CYNTHIA - STATION NO. 07BA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	76.7 AT 20:30 MST ON JUN 28	73.3 ON JUN 28	---	---	1972
1973	18.9 AT 15:40 MST ON APR 30	18.4 ON APR 30	0.190B ON MAR 18	82 000	1973
1974	36.5 AT 05:10 MST ON APR 29	36.2 ON APR 29	0.385B ON MAR 13	113 000	1974
1975	25.5 AT 08:30 MST ON JUL 1	25.5 ON JUL 1	0.450 ON AUG 17	41 000	1975
1976	10.8 AT 01:35 MST ON AUG 8	10.5 ON AUG 8	0.405B ON MAR 29	53 100	1976
1977	42.5 AT 13:45 MST ON MAY 31	41.3 ON MAY 31	0.161B ON MAR 1 *	127 000	1977
1978	28.9 AT 07:20 MST ON JUN 17	28.2 ON JUN 17	0.272B ON MAR 7	97 800	1978
1979	16.5B AT 07:00 MST ON APR 29	12.7B ON APR 29	0.300B ON MAR 10	59 300	1979
1980	54.8 AT 18:35 MST ON JUN 8	54.6 ON JUN 7	0.335B ON MAR 16	145 000	1980
1981	11.4 AT 18:00 MST ON JUN 2	11.2 ON JUN 2	0.198 ON SEP 16	48 200	1981
1982	111 AT 05:30 MST ON JUL 8 *	100 ON JUL 8 *	0.300B ON MAR 1	131 000	1982
1983	24.1 AT 08:10 MST ON JUL 5	23.6 ON JUL 5	0.183B ON MAR 25	81 700	1983
1984	13.1 AT 21:18 MST ON MAY 18	12.5 ON MAY 18	0.201B ON MAR 18	52 900	1984
	B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD			84 200	MEAN

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	---	1.58	---	1.48	1.05	---	1971
1972	0.878	0.877	1.89	3.13	2.23	5.56	3.58	2.21	2.70	2.19	1.84	1.28	2.34	1972
1973	1.25	0.987	1.92	5.74	3.69	2.88	3.08	2.20	1.94	1.78	1.29	1.30	2.42	1973
1974	1.36	1.34	1.28	8.55	5.78	2.67	2.12	2.00	1.91	2.25	1.73	1.03	2.78	1974
1975	0.892	1.15	1.13	3.68	3.63	2.23	1.75	1.50	1.35	1.22	0.837	1.13	1.71	1975
1976	0.908	0.887	1.25	3.62	1.41	1.74	1.21	2.47	1.50	1.34	1.13	1.03	1.55	1976
1977	1.07	1.19	1.16	3.56	4.19	2.20	1.62	1.90	2.11	1.68	1.22	1.18	1.88	1977
1978	1.11	1.27	2.25	4.82	2.92	3.84	2.12	2.18	3.27	2.28	1.84	1.48	2.62	1978
1979	1.25	1.23	3.07	5.28	2.99	1.73	1.53	1.41	1.37	1.58	0.982	0.982	1.95	1979
1980	0.844	0.962	1.08	4.74	1.91	2.75	3.22	2.10	2.22	1.82	1.42	1.14	2.02	1980
1981	1.17	1.21	2.26	1.82	4.88	2.78	4.17	4.34	2.40	2.11	1.70	1.18	2.53	1981
1982	1.12	1.12	1.29	3.49	2.34	2.16	4.81	2.15	1.83	1.67	1.51	1.18	2.08	1982
1983	1.00	1.18	1.68	3.89	2.88	1.86	2.60	1.32	1.37	1.51	1.37	0.823	1.74	1983
1984	1.08	1.08	1.48	1.88	1.55	2.16	1.08	1.04	1.48	1.08	0.948	0.787	1.28	1984
MEAN	1.07	1.12	1.87	4.18	3.18	2.85	2.64	2.08	1.93	1.78	1.38	1.11	2.05	MEAN

LOCATION - LAT 52 05 20 N DRAINAGE AREA, 847 km²
LONG 114 28 35 W NATURAL FLOW

RAVEN RIVER NEAR RAVEN - STATION NO. 05CB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	---	---	---	1971
1972	34.3 AT 01:30 MST ON JUN 27 *	30.6 ON JUN 28 *	0.821B ON FEB 4	74 100	1972
1973	---	18.2 B ON APR 12	0.906B ON FEB 8	78 300	1973
1974	---	30.3 B ON APR 17	0.850B ON DEC 30	88 900	1974
1975	---	14.2 B ON APR 19	0.708B ON JAN 28	53 900	1975
1976	14.4 B AT 01:00 MST ON APR 11	13.3 B ON APR 10	0.708B ON JAN 29	46 900	1976
1977	12.1 AT 18:30 MST ON MAY 30	11.4 ON MAY 30	0.891B ON JAN 1	99 200	1977
1978	8.63B AT 10:00 MST ON APR 1	8.49B ON APR 1	1.10 B ON JAN 1	78 400	1978
1979	11.5 B AT 06:30 MST ON APR 20	10.9 B ON APR 20	0.900B ON NOV 2	61 900	1979
1980	22.2 B AT 08:00 MST ON APR 14	22.0 B ON APR 14	0.750B ON JAN 19	84 000	1980
1981	17.1 AT 09:10 MST ON AUG 1	16.3 ON AUG 1	1.00 B ON DEC 15	78 800	1981
1982	18.6 AT 11:35 MST ON JUL 8	15.2 ON JUL 8	0.980B ON JAN 21	89 100	1982
1983	8.78 AT 13:30 MST ON APR 26	8.77 ON APR 25	0.878B ON DEC 23	84 900	1983
1984	7.22 AT 14:13 MST ON JUN 10	7.12 ON JUN 10	0.545B ON OCT 20 *	40 700	1984
	B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD			84 700	MEAN

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0	0.338	0.105	0.040	0	0	0	0	0	0	0.080	1967
1968	---	---	0.081	0.013	0.003	0.008	0.087	0.022	0.005	0.016	---	---	0.027	1968
1969	---	---	0	1.33	0.012	0	0.053	0.002	0.013	---	---	---	---	1969
1970	---	---	0.033	0.527	---	---	---	---	---	---	---	---	---	1970
1976	---	---	---	---	---	---	0.005	0.005	0	0	---	---	---	1976
1977	---	---	0.004	0.085	0.025	0	0	0	0	0	---	---	0.014	1977
1978	---	---	0.008	0.117	0.021	0.048	0	0	0.016	0.009	---	---	0.038	1978
1979	---	---	0.182	0.080	0.025	0.007	0.001	0	0	0	---	---	0.035	1979
1980	---	---	0	0.083	0.002	0.008	0.004	0	0	0	---	---	0.008	1980
1981	---	---	0.051	0.008	0.054	0.001	0.005	0.023	0	0	---	---	0.018	1981
1982	---	---	0.001	0.380	0.003	0.003	0.047	0.005	0.002	0.004	---	---	0.052	1982
1983	---	---	0.108	0.121	0.008	0.001	0.005	0	0	0	---	---	0.030	1983
1984	---	---	0.026	0.012	0.014	0.012	0	0	0	0	---	---	0.008	1984
MEAN	---	---	0.049	0.245	0.025	0.012	0.015	0.005	0.003	0.003	0	0	0.028	MEAN

LOCATION - LAT 52 00 03 N DRAINAGE AREA, 42.5 km²
LONG 113 35 55 W NATURAL FLOW

RAY CREEK NEAR INNISFAIL - STATION NO. 05CE010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	1.04 ON APR 18	0B ON MAR 1 *	1 270	1967
1968	1.01 AT 18:40 MST ON JUL 22	0.843 ON JUL 23	0 ON MAY 20	581	1968
1969	---	8.20 B ON APR 5 *	0B ON MAR 1	---	1969
1970	---	2.78 ON APR 6	0B ON MAR 1	---	1970
1976	0.082 AT 05:00 MST ON JUN 28	---	0 ON JUL 13	---	1976
1977	0.496 AT 13:30 MST ON APR 8	0.351 ON APR 8	0 ON MAR 1	298	1977
1978	1.44 AT 15:10 MST ON MAR 30	1.15 ON MAR 30	0B ON MAR 1	636	1978
1979	1.80 AT 11:00 MST ON MAR 12	0.675 ON MAR 12	0B ON MAR 1	731	1979
1980	0.430 AT 22:40 MST ON APR 13	0.356 ON APR 14	0B ON MAR 1	197	1980
1981	0.940 AT 10:30 MST ON MAY 7	0.787 ON MAY 7	0 ON MAY 25	379	1981
1982	2.97 AT 11:11 MST ON APR 14 *	2.14 ON APR 14	0B ON MAR 1	1 160	1982
1983	---	0.6008 ON MAR 31	0B ON MAR 1	635	1983
1984	---	0.1738 ON MAR 24	0B ON MAR 1	188	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		618	MEAN

RAYMOND COULEE NEAR RAYMOND - STATION NO. 05AF024

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	---	0.327	0.366	0.065	0.002	0.001	---	---	---	1927
1928	---	---	0.813	0.153	0.001	0.054	0.277	0	0	0	---	---	0.153	1928
1929	---	---	0.249	0.435	0.195	0.725	0	0	0	0	---	---	0.188	1929
1930	---	---	0.042	0.018	0.030	0	0	---	---	---	---	---	---	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
1938	---	---	0.143	0	0	0	---	---	---	---	---	---	---	1938
MEAN	---	---	0.312	0.151	0.057	0.221	0.161	0.018	0.001	0	---	---	0.161	MEAN

LOCATION - LAT 49 28 04 N
LONG 112 40 17 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

RAYMOND COULEE NEAR RAYMOND - STATION NO. 05AF024

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1927	---	15.9 ON MAY 30 *	0 ON JUN 17 *	---	1927
1928	---	5.47 ON MAR 22	0 ON MAR 1	3 480	1928
1929	---	7.96 ON JUN 3	0B ON MAR 1	4 200	1929
1930	---	0.130 ON MAY 13	0 ON MAY 28	---	1930
1931	---	---	0B ON MAR 9	---	1931
1938	---	1.44 ON MAR 3	0 ON MAR 1	---	1938
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 830	MEAN

RAYMOND IRRIGATION DISTRICT CANAL NEAR WELLING - STATION NO. 05AE022

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	0	0.200	0.221	0.725	0.888	0.705	0.374	---	---	0.403	1927
1928	---	---	---	0	0.488	0.888	0.231	0.538	1.04	0.128	---	---	0.473	1928
1929	---	---	---	0	0.038	0.380	0.930	1.22	1.14	0.630	---	---	0.804	1929
1930	---	---	---	0	0.808	1.80	1.82	1.86	1.02	0.218	---	---	1.02	1930
1931	---	---	---	0.113	1.46	1.78	1.80	1.98	1.44	0.298	---	---	1.28	1931
1932	---	---	---	0	0.458	0.868	1.87	1.72	0.804	0.686	---	---	0.803	1932
1933	---	---	---	0	8	4.38	2.53	2.51	1.18	0.686	---	---	1.30	1933
1934	---	---	---	0	2.08	1.28	1.83	2.03	1.38	0.324	---	---	1.28	1934
1935	---	---	---	0	0.267	2.11	3.17	1.97	1.19	0.592	---	---	1.33	1935
1936	---	---	---	0	0.882	2.21	2.08	1.48	1.23	0.198	---	---	1.15	1936
1937	---	---	---	0	0.922	1.28	2.48	1.78	1.17	0.082	---	---	1.18	1937
1938	---	---	---	0	0.581	2.63	2.84	1.92	1.38	0.823	---	---	1.37	1938
1939	---	---	---	0.628	2.07	0.888	1.87	1.82	1.40	0.881	---	---	1.21	1939
1940	---	---	---	0	0.416	2.20	2.22	1.38	1.38	0.618	---	---	1.17	1940
1941	---	---	---	0.084	1.43	0.821	1.77	1.82	1.20	0.402	---	---	1.06	1941
1942	---	---	---	0	0.727	0.416	0.813	1.82	1.13	0.882	---	---	0.788	1942
1943	---	---	---	0	0.711	2.01	2.67	2.67	1.81	1.15	---	---	1.58	1943
1944	---	---	---	0.285	1.97	1.70	2.21	1.81	1.29	1.23	---	---	1.47	1944
1945	---	---	---	0.028	0.174	0.838	1.90	1.41	1.26	0.850	---	---	0.811	1945
1946	---	---	---	0	2.22	1.16	2.26	1.88	1.37	0.780	0.224	---	1.26	1946
1947	---	---	---	0	0.156	0.616	1.88	1.59	0.922	0.630	0.005	---	0.882	1947
1948	---	---	---	0	0	0.367	1.07	2.01	1.40	0.710	---	---	0.788	1948
1949	---	---	---	0.108	1.04	1.17	2.30	2.44	1.48	0.717	---	---	1.33	1949
1950	---	---	---	0	0.241	2.13	1.74	2.48	2.13	0.809	---	---	1.38	1950
1951	---	---	---	0	0.108	0.280	0.834	1.74	0.240	0.484	---	---	0.488	1951
MEAN	---	---	---	0.048	0.771	1.27	1.81	1.75	1.23	0.588	0.115	---	1.07	MEAN

LOCATION - LAT 49 28 30 N
LONG 112 47 07 W REGULATED

RAYMOND IRRIGATION DISTRICT CANAL NEAR WELLING - STATION NO. 05AE022

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1927	---	1.23 ON AUG 2	0 ON APR 1 *	8 580	1927
1928	---	2.61 ON JUN 5	0 ON APR 1	8 740	1928
1929	---	2.18 ON OCT 23	0 ON APR 1	11 200	1929
1930	---	2.80 ON JUN 28	0 ON APR 1	18 600	1930
1931	---	3.71 ON AUG 1 *	0 ON APR 1	23 600	1931
1932	---	2.68 ON JUL 30	0 ON APR 1	18 700	1932
1933	---	3.34 ON JUN 28	0 ON APR 1	24 100	1933
1934	---	3.45 ON MAY 30	0 ON APR 1	23 600	1934
1935	---	3.80 ON JUL 1	0 ON APR 1	24 700	1935
1936	---	3.71A ON JUN 1	0 ON APR 1	21 300	1936
1937	---	3.40 ON JUL 7	0 ON APR 1	20 400	1937
1938	---	3.48A ON JUN 23	0 ON APR 1	25 200	1938
1939	---	2.88 ON MAY 18	0 ON APR 1	22 400	1939
1940	---	2.83 ON JUN 29	0 ON APR 1	21 700	1940
1941	---	2.35 ON JUL 28	0 ON APR 1	19 600	1941
1942	---	2.84 ON AUG 28	0 ON APR 1	14 200	1942
1943	---	3.40 ON AUG 7	0 ON APR 1	28 200	1943
1944	---	2.92A ON MAY 20	0 ON APR 1	27 200	1944
1945	---	2.44 ON JUL 13	0 ON APR 1	18 800	1945
1946	---	3.40 ON MAY 8	0 ON APR 1	25 200	1946
1947	---	2.58 ON JUL 18	0 ON APR 1	15 200	1947
1948	---	2.25 ON AUG 17	0 ON APR 1	14 700	1948
1949	---	2.84 ON AUG 2	0 ON APR 1	24 600	1949
1950	---	2.79 ON JUN 17	0 ON APR 1	25 200	1950
1951	---	3.35 ON AUG 11	0 ON APR 1	8 880	1951
				19 700	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

READYMADE DRAIN A - STATION NO. 05AE016

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0	0	0	0.014	0	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0	0.014	0	0	0	---	---	---	MEAN

LOCATION - LAT 49 42 34 N
LONG 112 28 14 W REGULATED

READYMADE DRAIN A - STATION NO. 05AE016

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.051 ON JUL 20 *	0 ON APR 1 *	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE DRAIN B - STATION NO. 05AG017

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	0.005	0.054	0.175	0.041	0.025	0.034	---	---	---	1971
MEAN	---	---	---	---	0.005	0.054	0.175	0.041	0.025	0.034	---	---	---	MEAN

LOCATION - LAT 49 42 18 N
LONG 112 25 42 W REGULATED

READYMADE DRAIN B - STATION NO. 05AG017

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.294 ON JUL 13 *	0 ON MAY 14 *	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE DRAIN E - STATION NO. 05AG022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	0	0	0.005	0.005	0.001	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0.005	0.005	0.001	0	0	---	---	---	MEAN

LOCATION - LAT 49 41 28 N
LONG 112 23 35 W REGULATED

READYMADE DRAIN E - STATION NO. 05AG022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	0.051 ON JUN 14 *	0 ON APR 1 *	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE MAIN INFLOW CANAL - STATION NO. 05AG013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.218	0.453	0.233	0.248	0.027	---	---	---	1968
1969	---	---	---	---	0.151	0.406	0.130	0.304	0.048	0.022	---	---	---	1969
1970	---	---	---	---	0.188	0.401	0.898	0.323	0.388	0.088	---	---	---	1970
1971	---	---	---	0	0.125	0.184	0.717	0.324	0.078	0.082	---	---	---	1971
1972	---	---	---	0	0.113	---	---	---	---	---	---	---	---	1972
MEAN	---	---	---	0	0.144	0.305	0.488	0.271	0.314	0.048	---	---	---	MEAN

LOCATION - LAT 49 39 43 N
LONG 112 28 24 W REGULATED

READYMADE MAIN INFLOW CANAL - STATION NO. 05AG013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.683 ON JUL 28	0 ON JUN 15 *	---	1968
1969	---	0.937 ON JUN 16	0 ON APR 25	---	1969
1970	---	0.898 ON JUL 30	0 ON APR 29	---	1970
1971	---	0.954 ON JUL 22 *	0 ON APR 1	---	1971
1972	---	---	0 ON APR 1	---	1972
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

READYMADE MINI INFLOW B - STATION NO. 05AG015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.031	0.026	0.044	0	0	---	---	---	1968
1971	---	---	---	0	0	0.038	0.082	0.034	0	0	---	---	---	1971
MEAN	---	---	---	0	0	0.035	0.054	0.034	0	0	---	---	---	MEAN

LOCATION - LAT 49 41 24 N
LONG 112 28 39 W REGULATED

READYMADE MINI INFLOW B - STATION NO. 05AG015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.158 ON JUN 6	0 ON JUN 1 *	---	1968
1971	---	0.173 ON JUL 19 *	0 ON APR 1	---	1971
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RED CREEK AT HIGHWAY NO. 4 - STATION NO. 11AA037

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.012	0.004	0.001	0	0.001	0.003	---	---	---	1983
MEAN	---	---	---	---	0.012	0.004	0.001	0	0.001	0.003	---	---	---	MEAN

LOCATION - LAT 49 02 39 N
LONG 111 59 43 W NATURAL FLOW

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	47.1	29.6	21.0	14.9	9.89	---	---	---	1967
1968	---	---	---	---	16.7	33.2	26.5	18.1	11.9	7.87	---	---	---	1968
1969	---	---	---	---	22.0	42.0	38.8	20.6	11.1	8.80	---	---	---	1969
1970	---	---	2.83	2.88	8.80	37.3	25.8	16.2	8.08	5.02	---	---	15.1	1970
1971	---	---	2.86	2.80	15.0	39.0	23.8	21.7	9.35	5.89	---	---	18.7	1971
1972	---	---	---	2.78	13.5	58.5	36.8	22.5	12.2	7.35	---	---	21.7	1972
1973	---	---	---	3.60	18.7	33.1	28.8	16.6	10.8	6.23	---	---	18.8	1973
1974	---	---	---	---	---	---	---	19.8	11.0	6.37	---	---	---	1974
1975	---	---	---	2.87	8.65	18.5	25.7	14.6	8.28	5.63	---	---	11.7	1975
1976	---	---	---	---	---	26.1	26.8	26.7	15.8	7.00	---	---	---	1976
1977	---	---	---	3.25	17.1	27.0	18.6	22.2	11.1	6.20	---	---	14.8	1977
1978	---	---	---	3.08	10.1	39.3	30.1	18.0	13.5	7.56	---	---	17.3	1978
1979	---	---	---	3.22	10.6	25.0	21.8	17.7	10.2	6.72	---	---	13.5	1979
1980	---	---	---	5.31	21.3	35.4	18.7	14.2	9.58	7.02	---	---	18.3	1980
1981	---	---	---	3.02	27.5	25.7	46.2	33.5	14.7	7.04	---	---	22.4	1981
1982	---	---	---	3.11	8.51	34.0	26.5	18.6	12.2	8.04	---	---	15.6	1982
1983	---	---	---	3.47	13.3	22.5	27.1	20.1	8.78	5.85	---	---	14.8	1983
1984	---	---	---	2.87	8.40	25.5	19.1	18.9	11.0	7.83	---	---	13.1	1984
MEAN	---	---	2.84	3.25	14.6	33.1	27.7	20.2	11.4	8.58	---	---	16.1	MEAN

LOCATION - LAT 51 38 33 N DRAINAGE AREA, 841 km^2
LONG 115 24 23 W NATURAL FLOW

RED DEER RIVER ABOVE PANTHER RIVER - STATION NO. 05CA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	82.6 AT 01:18 MST ON JUN 27	64.9 ON JUN 27	---	---	1968
1969	87.6 AT 01:59 MST ON JUN 5	60.7 ON JUL 4	---	---	1969
1970	164 AT 11:31 MST ON JUN 15 *	119 ON JUN 15 *	2.828 ON APR 27	278 000	1970
1971	86.1 AT 07:00 MST ON JUN 6	75.5 ON JUN 6	3.298 ON APR 2	309 000	1971
1972	103 AT 02:30 MST ON JUN 25	82.3 ON JUN 25	3.468 ON APR 13	401 000	1972
1973	100 AT 05:45 MST ON JUN 24	84.4 ON JUN 24	3.118 ON APR 1	312 000	1973
1974	---	---	---	---	1974
1975	67.8 AT 08:00 MST ON JUL 14	42.2 ON JUL 14	3.67 ON APR 6	217 000	1975
1976	82.4 AT 11:30 MST ON AUG 10	49.3 ON AUG 10	---	---	1976
1977	88.2 AT 00:30 MST ON JUN 8	60.8 ON JUN 8	2.46 ON APR 3	273 000	1977
1978	93.7 AT 05:50 MST ON JUN 8	60.7 ON JUN 8	3.27 ON APR 15 *	321 000	1978
1979	84.4 AT 07:00 MST ON MAY 27	62.8 ON MAY 27	2.878 ON APR 1	249 000	1979
1980	70.6 AT 05:00 MST ON JUN 17	60.3 ON JUN 17	2.448 ON APR 5	301 000	1980
1981	104 AT 08:05 MST ON MAY 28	84.7 ON MAY 28	3.43 ON APR 10	416 000	1981
1982	86.0 AT 05:42 MST ON JUN 15	48.8 ON JUN 15	3.698 ON APR 8	285 000	1982
1983	87.4 AT 08:32 MST ON JUL 3	66.6 ON JUL 3	3.47 ON APR 15	270 000	1983
1984	71.3 AT 02:36 MST ON JUN 30	54.9 ON JUN 30	3.49 ON APR 14	242 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		290 000	MEAN

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	---	26.8	---	1915
1916	12.1	12.4	36.5	89.7	107	384	382	274	280	123	47.4	22.9	148	1916
1917	19.8	20.4	22.7	216	378	322	117	82.4	84.6	37.5	30.5	12.1	108	1917
1918	13.5	11.4	76.7	92.8	80.5	107	63.2	47.4	31.1	28.6	15.5	8.80	44.9	1918
1919	4.57	5.66	7.83	76.7	71.8	94.2	34.0	69.0	46.0	18.8	10.5	8.43	33.1	1919
1920	5.87	7.66	10.1	243	404	113	128	45.1	24.5	17.8	9.24	6.15	84.8	1920
1921	4.89	5.43	8.42	92.0	78.3	74.3	63.8	37.0	19.4	14.2	8.05	4.45	33.4	1921
1922	2.77	3.12	4.61	46.8	84.0	74.4	50.5	64.9	30.8	18.7	9.74	2.23	33.1	1922
1923	3.07	3.36	4.80	35.2	49.7	374	193	---	---	---	---	---	---	1923
1924	---	---	9.23	61.8	69.2	105	78.8	---	---	---	---	---	---	1924
1925	---	---	---	144	48.8	98.5	50.4	---	---	---	---	---	---	1925
1926	---	---	102	82.0	36.9	110	88.0	---	---	---	---	---	---	1926
1927	---	---	---	282	123	181	178	---	---	---	---	---	---	1927
1928	---	---	---	108	72.8	405	267	---	---	---	---	---	---	1928
1929	---	---	15.4	39.5	80.9	175	42.6	---	---	---	---	---	---	1929
1930	---	---	18.7	51.1	67.4	101	85.2	---	---	---	---	---	---	1930
1931	---	---	8.00	24.5	---	---	---	---	---	---	---	---	---	1931
1959	---	---	---	42.6	40.4	127	102	95.7	39.6	34.1	13.2	10.8	---	1959
1960	7.50	9.59	71.6	88.6	70.2	88.0	70.5	42.5	20.2	16.1	8.28	5.61	41.1	1960
1961	7.25	8.66	23.2	28.1	83.6	70.1	36.2	47.9	23.0	18.3	15.0	4.88	28.8	1961
1962	6.84	7.55	16.6	88.2	41.3	88.8	88.1	52.3	35.0	19.0	11.6	7.93	33.6	1962
1963	3.98	6.56	32.5	88.5	44.8	92.2	116	65.2	36.2	22.3	9.22	10.2	44.4	1963
1964	9.20	10.1	6.65	37.8	123	174	116	36.9	36.8	36.3	16.2	7.13	61.1	1964
1965	8.80	10.1	25.6	243	80.1	224	317	88.1	105	62.8	30.4	19.7	102	1965
1966	13.5	14.8	37.2	113	83.4	104	142	72.5	38.5	33.4	13.6	12.6	56.8	1966
1967	13.6	10.7	13.1	83.8	136	234	77.2	45.2	24.7	22.5	13.3	6.78	56.1	1967
1968	8.70	9.00	21.7	25.8	33.3	78.8	77.0	84.4	38.0	42.7	21.1	8.86	35.8	1968
1969	9.78	9.11	8.41	187	94.8	88.2	262	84.2	41.1	31.0	17.1	9.43	86.8	1969
1970	8.11	7.85	12.2	104	84.8	170	113	38.7	27.3	20.8	11.9	8.01	48.7	1970
1971	8.05	8.94	11.6	308	71.7	138	78.1	38.9	25.0	20.0	12.5	8.38	59.5	1971
1972	8.97	8.95	22.4	78.9	81.0	174	143	66.9	45.3	32.9	20.1	9.16	67.0	1972
1973	12.0	10.2	37.3	140	118	132	84.2	65.7	42.7	26.8	16.3	11.4	58.9	1973
1974	10.4	10.9	11.8	302	205	153	89.2	52.5	36.7	29.8	18.2	11.1	77.3	1974
1975	8.90	7.33	9.32	82.1	85.8	53.2	49.9	37.1	22.3	16.0	10.9	6.74	32.7	1975
1976	7.63	7.76	32.3	53.5	37.7	49.1	47.2	80.5	38.3	21.6	12.3	8.17	33.1	1976
1977	8.12	8.66	10.6	37.1	81.8	77.6	36.3	49.4	40.7	30.4	10.9	7.11	33.3	1977
1978	8.47	7.63	28.8	90.3	78.6	132	78.0	58.7	60.2	34.9	14.7	11.6	50.1	1978
1979	7.10	6.37	28.1	52.4	84.8	84.1	47.8	37.1	26.5	16.3	8.18	8.56	30.8	1979
1980	6.38	5.51	5.46	78.9	53.9	166	87.6	49.6	47.3	30.0	16.6	11.1	46.5	1980
1981	10.6	13.3	31.6	32.4	150	106	166	187	60.0	30.6	22.9	10.2	67.6	1981
1982	8.86	8.89	10.1	114	83.8	91.3	186	58.0	42.1	36.0	14.0	8.85	53.6	1982
1983	8.92	8.16	22.3	77.4	83.5	33.7	65.5	29.1	20.0	23.6	17.2	16.5	34.0	1983
1984	16.7	17.0	20.4	34.9	44.5	30.6	17.2	26.0	29.0	23.3	13.6	14.2	24.0	1984
MEAN	8.02	9.07	23.5	102	92.1	138	107	83.6	44.6	30.1	15.7	10.1	83.4	MEAN

LOCATION - LAT 51 28 08 N DRAINAGE AREA, 24 800 km²
LONG 112 42 30 W REGULATED SINCE 1983

RED DEER RIVER AT DRUMHELLER - STATION NO. 05CE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	852 ON AUG 21	9.858 ON JAN 28	4 520 000	1916
1917	---	908 ON MAY 18	8.638 ON DEC 25	3 410 000	1917
1918	---	314 B ON MAR 26	4.708 ON DEC 26	1 410 000	1918
1919	---	177 ON MAY 12	4.308 ON JAN 23	1 050 000	1919
1920	---	1 120 ON MAY 10	3.008 ON DEC 27	2 680 000	1920
1921	---	243 ON APR 16	3.118 ON DEC 31	1 050 000	1921
1922	---	142 ON MAY 6	1.838 ON DEC 13 *	1 010 000	1922
1923	1 220 AT 19:00 MST ON JUN 3 *	1 130 ON JUN 3 *	2.418 ON JAN 6	---	1923
1924	178 AT 16:40 MST ON JUL 3	178 ON JUL 3	---	---	1924
1925	3288 AT 18:28 MST ON APR 8	336 B ON APR 8	---	---	1925
1926	---	---	---	---	1926
1927	---	731 ON APR 15	---	---	1927
1928	1 080 AT 19:00 MST ON JUN 9	878 ON JUN 10	---	---	1928
1929	1 010 AT 01:00 MST ON JUN 5	818 ON JUN 5	---	---	1929
1930	---	131 ON JUN 4	---	---	1930
1931	---	---	---	---	1931
1959	807 AT 07:40 MST ON JUN 20	481 ON JUN 20	---	---	1959
1960	---	328 B ON MAR 26	2.728 ON JAN 6	1 300 000	1960
1961	139 AT 17:20 MST ON MAY 30	133 ON MAY 30	2.318 ON DEC 16	911 000	1961
1962	---	91.2 ON APR 17	3.408 ON JAN 11	1 080 000	1962
1963	---	184 A ON JUL 18	3.128 ON JAN 19	1 400 000	1963
1964	---	478 ON MAY 9	3.91 ON NOV 26	1 820 000	1964
1965	742 AT 12:00 MST ON JUN 20	571 ON JUN 20	6.418 ON JAN 1	3 230 000	1965
1966	---	458 ON JUL 5	7.938 ON DEC 14	1 780 000	1966
1967	880 AT 04:50 MST ON JUN 2	595 ON JUN 2	7.368 ON NOV 28	1 770 000	1967
1968	---	121 ON JUN 11	8.088 ON DEC 31	1 140 000	1968
1969	---	843 ON JUL 8	7.198 ON NOV 21	2 170 000	1969
1970	843 AT 12:00 MST ON JUN 18	801 ON JUN 18	4.058 ON JAN 18	1 540 000	1970
1971	---	742 A ON APR 18	6.658 ON NOV 30	1 680 000	1971
1972	848 AT 11:30 MST ON JUN 27	814 ON JUN 27	3.518 ON DEC 12	1 600 000	1972
1973	436 AT 02:00 MST ON APR 4	268 ON APR 4	7.148 ON JAN 13	1 680 000	1973
1974	7738 AT 20:30 MST ON APR 16	677 ON APR 21	7.338 ON DEC 22	2 440 000	1974
1975	---	334 ON APR 22	5.248 ON DEC 8	1 030 000	1975
1976	202 AT 20:30 MST ON APR 11	144 ON AUG 12	8.688 ON MAR 7	1 050 000	1976
1977	---	182 A ON JUN 1	4.478 ON NOV 21	1 050 000	1977
1978	230 AT 07:10 MST ON JUN 10	206 ON JUN 8	8.808 ON MAR 3	1 580 000	1978
1979	---	123 ON APR 28	4.598 ON FEB 14	972 000	1979
1980	282 AT 02:30 MST ON JUN 7	278 ON JUN 7	4.908 ON MAR 7	1 670 000	1980
1981	785 AT 21:10 MST ON AUG 1	573 ON AUG 2	7.308 ON DEC 31	2 130 000	1981
1982	900 AT 00:55 MST ON JUL 8	486 ON JUL 8	4.308 ON FEB 8	1 690 000	1982
1983	185 AT 17:40 MST ON JUL 10	178 ON APR 28	8.118 ON FEB 11	1 070 000	1983
1984	104 AT 04:30 MST ON APR 7	78.0 ON MAY 21	7.528 ON OCT 30	754 000	1984
				1 880 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	6.83	7.77	---	84.4	112	112	288	141	128	75.3	38.5	15.8	---	1912
1913	11.8	11.2	11.8	110	116	140	148	93.0	80.8	36.8	23.4	9.26	63.8	1913
1914	7.88	8.42	10.6	36.6	84.0	104	88.8	37.1	31.1	40.8	22.3	9.26	34.8	1914
1915	7.84	7.88	17.2	35.4	126	348	474	230	112	83.1	33.8	14.7	125	1915
1916	11.8	10.6	23.5	80.0	102	328	237	213	204	88.8	81.9	23.8	114	1916
1917	17.3	13.5	14.2	118	267	262	104	58.7	52.2	41.4	20.9	11.8	81.1	1917
1918	12.8	10.9	29.9	80.6	83.7	102	52.5	80.1	37.8	27.6	14.7	7.78	40.9	1918
1919	9.88	7.89	8.89	44.2	88.5	81.8	39.0	86.3	33.7	18.7	10.4	6.97	28.8	1919
1920	6.25	6.33	8.21	67.8	280	87.8	128	46.8	23.1	15.9	8.41	5.81	57.9	1920
1921	5.78	4.84	5.06	88.5	74.7	74.7	81.5	37.1	18.7	15.8	8.89	4.82	31.0	1921
1922	3.72	4.38	4.80	13.9	85.4	74.8	50.8	80.8	30.4	17.8	8.67	3.43	30.2	1922
1923	4.03	3.78	4.81	24.7	43.8	388	128	127	88.3	31.8	15.3	11.2	88.9	1923
1924	6.88	10.4	17.0	82.4	82.9	108	85.4	88.2	36.7	23.8	13.8	8.11	44.6	1924
1925	8.44	8.11	10.7	107	48.2	86.8	84.4	83.4	82.5	78.8	34.3	18.0	82.7	1929
1926	13.7	14.2	73.3	70.4	35.6	81.5	88.0	40.8	283	111	80.7	24.8	73.7	1926
1927	14.1	12.8	18.2	121	108	178	185	118	108	88.2	27.2	14.7	78.1	1927
1928	15.3	18.3	48.8	75.3	80.8	382	228	88.3	38.8	27.1	14.2	11.5	82.7	1928
1929	8.35	7.31	14.0	38.1	76.7	141	38.2	32.6	24.3	15.8	10.5	7.13	38.7	1929
1930	8.38	8.58	17.8	80.8	48.7	103	83.0	38.8	27.8	17.7	12.0	7.08	33.8	1930
1931	6.88	8.48	7.88	18.2	31.2	88.8	84.3	---	---	---	---	---	---	1931
1932	---	---	---	---	88.8	252	88.4	48.2	37.0	24.0	17.2	10.7	---	1932
1933	10.3	8.32	8.88	83.8	132	81.8	---	---	---	---	---	---	---	1933
1935	---	---	---	22.8	61.1	87.2	112	84.8	28.5	18.4	10.3	6.38	---	1935
1936	7.05	8.30	8.83	88.7	81.5	81.7	36.0	28.0	20.4	13.4	7.88	2.79	30.5	1936
1937	3.00	2.81	8.88	21.7	39.3	71.8	48.8	38.0	30.1	28.0	14.2	7.87	28.3	1937
1938	8.04	8.87	13.0	38.8	88.3	108	107	43.7	34.3	30.1	8.20	5.84	36.5	1938
1939	8.10	8.30	18.3	33.9	28.2	187	84.7	35.3	24.7	20.1	17.3	8.99	38.7	1939
1940	8.10	8.25	8.78	108	88.4	81.2	46.7	30.7	31.6	18.1	10.7	8.82	34.2	1940
1941	6.42	7.08	18.2	18.4	15.0	38.8	40.8	88.8	36.7	26.3	12.5	7.46	22.8	1941
1942	8.84	8.87	8.82	13.8	88.3	108	180	81.7	82.2	40.0	26.2	14.8	80.8	1942
1943	8.00	8.48	18.8	184	87.0	138	102	82.4	27.8	20.3	11.3	7.82	83.1	1943
1944	8.20	8.03	16.0	31.0	81.8	181	83.0	152	48.7	33.7	18.4	10.1	84.8	1944
1945	8.82	8.80	11.8	36.7	105	114	88.2	88.8	50.3	48.2	22.8	15.8	48.8	1945
1946	13.8	11.8	38.8	88.1	48.1	178	81.8	48.8	82.3	30.8	13.7	11.8	80.3	1946
1947	12.8	8.88	28.8	110	124	148	78.1	43.8	81.0	88.7	27.4	18.0	88.8	1947
1948	12.8	8.82	8.87	142	383	188	78.2	88.8	32.1	21.2	15.8	8.30	78.8	1948
1949	7.84	7.72	8.11	36.3	38.1	37.4	37.8	28.2	17.8	16.8	11.8	8.82	20.8	1949
1950	6.03	6.78	8.72	27.8	38.2	81.8	88.4	28.8	21.8	14.2	7.78	8.88	26.8	1950
1951	8.10	8.42	7.13	37.1	100	118	138	74.4	127	81.1	38.8	24.8	80.3	1951
1952	18.1	13.8	33.8	208	82.7	243	118	88.2	38.4	27.2	22.7	8.72	70.8	1952
1953	8.88	11.8	12.7	47.8	108	280	138	82.8	87.8	28.8	18.1	10.2	84.3	1953
1954	10.1	13.7	12.8	84.2	182	241	103	282	182	74.8	45.2	18.8	101	1954
1955	11.4	14.2	15.8	188	188	111	88.4	40.8	28.8	22.8	8.88	7.28	88.7	1955
1956	8.88	8.88	18.1	88.2	88.8	82.7	80.8	42.8	27.8	18.1	13.1	8.28	40.2	1956
1957	8.88	8.87	12.8	88.8	80.8	84.4	35.8	28.1	28.2	21.8	18.8	10.8	30.8	1957
1958	8.87	8.84	8.28	88.8	83.2	88.8	108	43.4	30.8	17.8	10.4	8.15	42.8	1958
1959	7.11	7.47	7.88	18.2	37.4	130	83.8	43.4	28.8	28.4	22.7	11.4	34.8	1959
1960	8.82	8.86	83.7	72.2	71.8	88.8	83.2	34.1	18.7	18.7	11.8	7.48	37.2	1960
1961	7.71	8.81	16.2	18.7	88.1	87.1	37.8	48.2	22.8	21.2	16.2	8.11	28.8	1961
1962	8.88	8.83	13.8	28.8	48.8	88.4	81.1	48.8	30.8	18.7	13.2	8.72	28.2	1962
1963	8.36	11.1	18.1	80.8	38.8	87.2	108	88.7	38.2	20.4	11.8	8.00	37.8	1963
1964	8.27	7.88	7.74	28.7	108	188	104	32.8	33.7	27.8	18.1	8.48	48.2	1964
1965	8.08	8.71	13.7	138	82.2	222	288	88.8	102	84.8	28.1	14.7	84.4	1965
1966	12.8	13.8	22.8	74.7	78.2	84.8	128	88.2	38.8	31.8	15.8	11.2	48.8	1966
1967	10.2	11.8	10.8	48.8	113	182	88.1	37.7	23.4	18.2	7.84	7.72	48.2	1967
1968	8.78	8.83	23.8	22.2	33.2	78.8	87.1	88.8	32.8	34.8	17.8	8.33	31.8	1968
1969	8.88	10.8	10.8	108	87.8	134	218	87.8	34.8	28.8	20.2	12.2	81.2	1969
1970	7.12	8.81	13.2	88.1	80.2	188	107	38.8	22.1	17.7	8.00	8.84	42.2	1970
1971	8.88	8.11	8.42	148	88.2	128	88.8	40.2	23.7	18.8	13.4	4.87	42.8	1971
1972	8.84	8.88	28.8	88.2	83.8	188	131	88.8	42.2	31.4	18.1	8.81	80.8	1972
1973	10.1	10.7	33.8	87.2	107	114	74.4	82.2	33.8	21.4	15.8	11.8	48.8	1973
1974	8.88	10.8	8.88	113	143	138	78.8	44.2	30.2	28.8	18.8	7.21	81.8	1974
1975	7.83	7.81	8.82	80.7	88.8	48.8	47.7	28.1	18.8	14.8	8.78	8.72	28.1	1975
1976	7.38	8.88	8.48	38.2	38.4	44.7	44.2	88.8	33.4	18.8	12.2	8.84	28.7	1976
1977	8.88	8.81	8.81	38.1	72.8	88.8	32.8	44.8	38.8	27.8	18.2	8.88	28.4	1977
1978	7.72	7.84	13.4	88.2	87.8	112	74.2	82.8	48.2	28.8	18.7	12.8	41.7	1978
1979	7.88	8.88	28.2	82.1	88.8	88.7	42.2	32.8	21.7	18.8	7.81	8.87	27.2	1979
1980	4.87	8.88	8.88	82.8R	81.1R	131 R	82.2R	40.8	48.8	28.8	14.8	10.7	37.8R	1980
1981	10.2	8.38	18.8	33.1	141	88.8	188	148	44.8	28.8	18.8	8.42	88.1	1981
1982	8.38	7.42	7.28	81.2	82.8	88.8	138	40.8	30.2	28.8	12.8	8.88	42.2	1982
1983	8.88	8.74	18.7	88.1	87.4	22.8	82.1	30.8	18.4	22.8	18.2	18.8	30.7	1983
1984	15.7	18.8	18.1	33.8	48.8	23.4	19.1	27.2	24.4	22.2	18.1	13.2	21.8	1984
MEAN	8.84	8.74	18.2	84.8R	82.8R	128 R	88.1R	84.2	48.7	31.2	17.7	10.1	48.2	MEAN

LOCATION - LAT 52 15 35 N
LONG 113 48 87 W

DRAINAGE AREA, 11 800 km²
REGULATED SINCE 1983

R - REVISED SINCE JAN 1980

RED DEER RIVER AT RED DEER - STATION NO. 05CC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	382 ON JUN 28	2.978 ON DEC 27	2 010 000	1913
1914	---	157 ON JUN 14	5.528 ON JAN 1	1 100 000	1914
1915	1 830 AT 21:20 MST ON JUN 27 *	1 590 ON JUN 27 *	6.809 ON JAN 28	3 980 000	1915
1916	---	705 ON AUG 20	8.788 ON FEB 15	3 590 000	1916
1917	---	634 ON MAY 17	8.898 ON DEC 1	2 580 000	1917
1918	---	198 ON JUN 11	5.898 ON DEC 22	1 290 000	1918
1919	---	130 ON AUG 8	5.108 ON DEC 9	901 000	1919
1920	---	716 ON MAY 9	4.458 ON DEC 12	1 830 000	1920
1921	---	222 B ON APR 18	2.928 ON DEC 21	878 000	1921
1922	---	157 ON MAY 3	1.818 ON DEC 7 *	951 000	1922
1923	1 130 AT 17:00 MST ON JUN 2	985 ON JUN 2	3.458 ON MAR 4	2 170 000	1923
1924	---	178 ON JUN 30	8.548 ON DEC 23	1 410 000	1924
1925	382 B AT 08:30 MST ON APR 7	340 B ON APR 8	7.598 ON JAN 28	1 880 000	1925
1926	817 AT 17:45 MST ON SEP 11	612 ON SEP 11	12.6 B ON JAN 21	2 320 000	1926
1927	---	300 ON APR 17	12.4 B ON FEB 1	2 450 000	1927
1928	1 030 ON JUN 9	980 ON JUN 9	10.0 B ON DEC 31	2 620 000	1928
1929	1 210 AT 05:00 MST ON JUN 4	958 ON JUN 4	8.138 ON DEC 12	1 180 000	1929
1930	---	172 ON JUN 8	5.388 ON DEC 30	1 080 000	1930
1931	---	190 ON JUL 6	2.418 ON JAN 11	---	1931
1932	---	1 040 ON JUN 3	---	---	1932
1933	---	---	4.598 ON FEB 27	---	1933
1935	---	211 ON JUL 2	---	---	1935
1936	---	382 ON APR 18	1.958 ON DEC 6	985 000	1936
1937	---	149 ON JUN 16	2.468 ON FEB 7	787 000	1937
1938	337 ON JUL 3	289 ON JUL 3	4.228 ON MAR 2	1 150 000	1938
1939	828 AT 10:00 MST ON JUN 18	580 ON JUN 18	4.338 ON MAR 10	1 250 000	1939
1940	---	221 ON APR 17	3.888 ON JAN 24	1 080 000	1940
1941	---	144 ON AUG 26	5.248 ON MAR 14	721 000	1941
1942	---	527 ON JUL 13	3.458 ON APR 3	1 590 000	1942
1943	---	532 ON APR 11	5.588 ON NOV 25	1 670 000	1943
1944	---	581 ON AUG 1	5.478 ON MAR 4	1 730 000	1944
1945	---	228 ON MAY 27	8.008 ON JAN 1	1 480 000	1945
1946	---	300 ON JUN 9	11.0 B ON FEB 26	1 590 000	1946
1947	548 AT 11:45 MST ON MAY 11	536 ON MAY 11	8.578 ON FEB 28	1 880 000	1947
1948	---	682 ON MAY 9	7.588 ON DEC 13	2 490 000	1948
1949	74.5 AT 14:45 MST ON APR 12	74.5 ON APR 12	3.958 ON DEC 23	886 000	1949
1950	249 AT 11:00 MST ON JUN 18	232 ON JUN 18	3.858 ON JAN 6	836 000	1950
1951	---	377 ON SEP 1	4.678 ON MAR 20	1 000 000	1951
1952	1 170 E AT 10:00 MST ON JUN 24	1 070 E ON JUN 24	7.318 ON DEC 31	2 220 000	1952
1953	880 AT 18:00 MST ON JUN 4	812 ON JUN 4	8.688 ON JAN 23	2 030 000	1953
1954	1 480 AT 18:00 MST ON AUG 26	1 210 ON AUG 26	8.238 ON JAN 5	3 190 000	1954
1955	---	360 B ON APR 7	5 018 ON NOV 1	1 780 000	1955
1956	---	288 B ON APR 13	3.148 ON DEC 8	1 240 000	1956
1957	---	112 ON APR 18	8.758 ON MAR 1	978 000	1957
1958	281 AT 08:00 MST ON APR 11	254 ON APR 11	8.418 ON DEC 11	1 320 000	1958
1959	484 AT 18:00 MST ON JUN 28	453 ON JUN 28	5.498 ON MAR 28	1 080 000	1959
1960	---	326 B ON MAR 28	4.818 ON NOV 30	1 180 000	1960
1961	---	131 ON MAY 28	4.538 ON DEC 18	884 000	1961
1962	---	104 ON MAY 21	4.258 ON DEC 24	923 000	1962
1963	---	174 ON JUL 28	2.898 ON JAN 13	1 190 000	1963
1964	---	382 ON MAY 8	5.108 ON NOV 27	1 430 000	1964
1965	---	731 ON JUN 19	4.818 ON DEC 31	2 880 000	1965
1966	---	459 ON JUL 4	5.108 ON JAN 1	1 540 000	1966
1967	544 AT 05:00 MST ON JUN 1	504 ON JUN 1	8.48 ON NOV 13	1 430 000	1967
1968	---	121 ON JUN 10	5.688 ON JAN 8	1 010 000	1968
1969	640 AT 15:14 MST ON JUL 7	609 ON JUL 7	8.378 ON JAN 1	1 930 000	1969
1970	958 AT 14:01 MST ON JUN 17	841 ON JUN 17	4.988 ON NOV 25	1 380 000	1970
1971	382 AT 16:30 MST ON APR 15	328 ON APR 15	2.738 ON DEC 13	1 380 000	1971
1972	685 AT 11:30 MST ON JUN 28	648 ON JUN 28	3.548 ON DEC 3	1 580 000	1972
1973	271 AT 08:30 MST ON MAY 28	284 ON MAY 28	9.888 ON JAN 1	1 630 000	1973
1974	258 AT 22:30 MST ON APR 19	283 ON APR 20	5.278 ON DEC 24	1 630 000	1974
1975	---	210 B ON APR 20	4.988 ON JAN 17	823 000	1975
1976	135 AT 14:28 MST ON AUG 11	130 ON AUG 11	8.608 ON JAN 11	844 000	1976
1977	142 AT 07:30 MST ON JUN 3	129 ON JUN 3	3.288 ON NOV 24	927 000	1977
1978	184 AT 08:50 MST ON JUN 7	185 ON JUN 7	8.828 ON MAR 2	1 320 000	1978
1979	128 AT 10:15 .ST ON MAY 28	114 ON MAY 28	4.308 ON NOV 29	857 000	1979
1980	215 R AT 07:27 MST ON JUN 6	211 R ON JUN 8	4.008 ON JAN 8	1 200 000R	1980
1981	884 AT 21:10 MST ON JUL 31	557 ON AUG 1	4.308 ON DEC 30	1 660 000	1981
1982	281 AT 01:07 MST ON JUL 8	269 ON JUL 8	3.488 ON JAN 5	1 330 000	1982
1983	---	183 ON APR 27	5.818 ON JAN 1	988 000	1983
1984	78.5 AT 03:48 MST ON MAY 30	74.3 ON MAY 30	10.5 ON JUL 9	884 000	1984
				1 520 000R	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	5.72	5.45	5.56	6.53	55.4	77.4	49.2	31.5	22.0	12.5	9.07	7.14	24.2	1973
1974	4.85	5.19	7.49	---	---	110	58.3	38.4	22.5	12.4	8.83	5.71	---	1974
1975	4.29	4.33	4.66	7.80	20.0	38.6	43.2	26.9	15.1	10.5	8.58	4.90	15.6	1975
1976	4.25	5.08	4.63	6.02	30.5	36.0	44.4	53.1	28.7	13.2	7.70	4.21	19.9	1976
1977	5.05	5.63	4.86	6.84	25.1	44.8	25.4	33.1	21.2	14.4	8.29	5.88	16.6	1977
1978	5.01	4.53	4.56	7.85	24.8	78.6	53.7	33.0	26.7	14.5	8.87	5.30	22.3	1978
1979	5.11	4.82	3.67	6.70	24.0	43.3	32.4	25.5	16.5	10.4	7.37	3.48	15.3	1979
1980	3.52	4.05	4.02	10.2	38.2	79.0	51.3	23.8	18.9	14.4	9.45	7.01	20.4	1980
1981	5.79	5.25	4.89	6.04	65.4	56.3	94.4	67.1	25.8	14.6	8.90	6.30	30.7	1981
1982	5.40	4.53	3.63	6.62	17.9	63.1	47.1	26.7	21.8	13.5	7.24	7.48	18.7	1982
1983	5.08	4.88	4.45	8.87	30.8	48.1	54.4	30.7	18.4	10.7	7.41	5.58	19.1	1983
1984	4.78	4.49	4.21	5.78	12.2	46.5	28.6	25.7	16.4	13.5	7.21	4.82	14.6	1984
MEAN	4.88	4.95	4.72	7.27	31.3	60.2	47.3	34.5	21.1	12.9	7.73	5.64	19.6	MEAN

LOCATION - LAT 51 39 02 N
LONG 115 01 00 W
DRAINAGE AREA, 2 250 km²
NATURAL FLOW

RED DEER RIVER BELOW BURNT TIMBER CREEK - STATION NO. 05CA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	193 AT 07:30 MST ON JUN 24	159 ON JUN 24	5.108 ON FEB 25	764 000	1973
1974	311 AT 06:10 MST ON JUN 17 *	250 ON JUN 17 *	2.388 ON JAN 11	---	1974
1975	75.8 AT 12:00 MST ON JUL 14	68.0 ON JUL 14	2.288 ON MAR 8 *	493 000	1975
1976	103 AT 07:00 MST ON AUG 5	98.0 ON AUG 10	3.14 ON DEC 4	629 000	1976
1977	111 AT 02:30 MST ON JUN 8	98.3 ON JUN 8	3.408 ON NOV 22	524 000	1977
1978	184 AT 05:50 MST ON JUN 8	152 ON JUN 8	4.388 ON FEB 1	705 000	1978
1979	118 AT 07:00 MST ON MAY 27	98.8 ON MAY 27	2.328 ON DEC 17	483 000	1979
1980	139 AT 04:00 MST ON JUN 11	120 ON JUN 11	3.258 ON JAN 25	645 000	1980
1981	283 AT 11:35 MST ON JUL 30	217 ON JUL 30	2.908 ON APR 11	988 000	1981
1982	99.1 AT 05:04 MST ON JUN 15	86.8 ON JUN 15	3.008 ON APR 2	580 000	1982
1983	188 ON JUL 3	135 A ON JUL 3	4.008 ON MAR 19	602 000	1983
1984	122 A AT 04:05 MST ON MAY 31	82.1 ON JUN 30	3.608 ON MAR 14	483 000	1984
				624 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	22.9	13.4	5.70	---	1980
1981	7.18	6.11	25.1	34.6	58.2	90.7	46.1	87.2	33.8	21.6	16.5	9.24	35.4	1981
1982	6.16	6.05	9.79	80.6	45.3	84.6	61.7	69.1	47.1	26.9	16.1	6.84	39.9	1982
1983	3.22	6.60	46.5	92.8	48.1	110	123	90.8	47.2	31.5	14.6	5.71	51.9	1983
1984	6.11	6.18	8.61	46.2	111	186	113	54.4	44.5	42.1	21.4	6.44	54.0	1984
1985	8.12	7.16	19.8	277	112	247	352	113	122	93.9	42.6	23.9	119	1985
1986	12.1	10.4	122	189	77.9	131	179	93.6	49.8	43.7	21.2	9.47	78.6	1986
1987	12.1	9.47	13.7	138	181	230	87.2	56.2	35.0	32.0	19.1	6.19	69.4	1987
1988	4.64	5.93	32.9	31.1	34.3	86.9	83.6	80.7	48.3	49.1	22.2	8.57	41.7	1988
1989	7.83	7.72	7.37	244	105	105	269	84.0	53.2	40.1	16.4	12.2	81.1	1989
1970	6.57	5.63	12.1	130	89.7	205	148	58.4	39.8	33.2	15.1	8.27	80.8	1970
1971	6.38	7.50	14.2	382	81.2	149	86.5	60.0	36.9	30.8	12.9	8.12	71.9	1971
1972	3.61	4.45	40.1	88.8	82.0	153	168	89.4	58.5	39.6	18.6	4.52	80.9	1972
1973	9.67	8.90	25.6	152	107	184	109	71.8	58.0	31.5	15.1	10.7	83.6	1973
1974	8.52	8.40	9.95	290	248	170	110	85.5	48.5	40.3	16.3	10.0	85.6	1974
1975	8.80	8.18	9.63	74.0	111	82.8	86.3	82.3	33.3	26.6	12.4	5.84	38.8	1975
1976	6.00	7.80	26.8	88.2	34.6	63.1	84.3	88.3	47.5	32.5	13.8	5.61	39.2	1976
1977	4.88	6.88	15.5	40.4	72.8	86.2	44.1	51.0	48.2	39.8	13.8	8.22	36.0	1977
1978	8.95	8.24	13.3	108	78.8	134	88.7	70.6	72.8	43.3	16.7	10.7	54.3	1978
1979	4.87	4.16	20.6	46.8	58.8	67.2	58.7	42.9	32.2	20.9	11.8	5.98	31.4	1979
1980	3.85	3.63	8.48	105	82.1	172	97.2	62.5	51.4	38.7	23.1	8.82	52.0	1980
1981	10.8	12.8	38.6	41.9	137	134	154	209	80.4	46.8	27.6	8.12	73.8	1981
1982	2.95	4.72	8.48	112	78.1	105	224	79.8	55.5	49.9	16.2	6.57	62.3	1982
1983	7.72	11.2	28.3	73.6	71.1	51.8	96.7	44.4	27.8	28.1	16.7	11.1	39.2	1983
1984	13.0	18.8	22.9	43.6	43.5	51.2	25.9	40.3	36.6	31.4	14.3	11.6	29.2	1984
MEAN	8.99	7.85	24.1	120	86.8	127	122	75.3	49.4	37.9	18.0	8.40	57.1	MEAN

LOCATION - LAT 50 54 10 N
LONG 110 17 50 W
DRAINAGE AREA, 44 700 km²
REGULATED SINCE 1908

RED DEER RIVER NEAR BINDLOSS - STATION NO. 05CK004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)		MAXIMUM DAILY DISCHARGE (m^3/s)		MINIMUM DAILY DISCHARGE (m^3/s)		TOTAL DISCHARGE (dam^3)	YEAR
1980	---		---		---		---	1980
1981	199 AT 23:00 MST ON JUN 1		170 ON JUN 2		2.498 ON DEC 21		1 120 000	1981
1982	148 AT 10:00 MST ON JUL 15		132 ON JUL 15		2.898 ON JAN 22		1 280 000	1982
1983	---		202 ON JUN 25		2.888 ON JAN 13		1 630 000	1983
1984	---		389 ON JUN 23		4.478 ON JAN 14		1 710 000	1984
1985	---		898 A ON APR 18		5.838 ON MAR 8		3 740 000	1985
1986	544 AT 02:00 MST ON JUL 8		510 ON JUL 8		7.908 ON MAR 1		2 480 000	1986
1987	487 AT 05:00 MST ON JUN 4		464 ON JUN 4		4.678 ON DEC 31		2 180 000	1987
1988	140 AT 02:00 MST ON JUL 3		130 ON JUN 15		3.548 ON JAN 14		1 320 000	1988
1989	---		835 ON APR 10		7.198 ON MAR 14		2 580 000	1989
1970	---		878 A ON JUN 20 *		4.058 ON JAN 28		1 920 000	1970
1971	889 AT 01:30 MST ON APR 18		778 ON APR 17		4.118 ON DEC 31		2 270 000	1971
1972	558 AT 09:20 MST ON JUN 28		513 ON JUN 28		2.888 ON DEC 3		1 930 000	1972
1973	287 AT 14:40 MST ON APR 5		267 ON JUN 1		7.428 ON FEB 17		2 010 000	1973
1974	766 AT 11:10 MST ON APR 22		733 ON APR 22		8.658 ON JAN 17		2 700 000	1974
1975	---		374 A ON APR 24		3.148 ON DEC 7		1 220 000	1975
1976	212 AT 03:15 MST ON AUG 19		182 ON AUG 19		5.078 ON DEC 12		1 240 000	1976
1977	163 AT 10:10 MST ON JUN 4		157 ON JUN 4		4.338 ON JAN 21		1 140 000	1977
1978	233 AT 15:30 MST ON JUN 12		227 ON JUN 12		5.558 ON MAR 6		1 710 000	1978
1979	110 AT 22:00 MST ON JUN 1		104 ON APR 28		3.748 ON FEB 18		880 000	1979
1980	298 AT 20:00 MST ON JUN 9		289 ON JUN 9		2.758 ON JAN 31		1 850 000	1980
1981	881 AT 10:30 MST ON AUG 4		848 ON AUG 4		3.058 ON DEC 31		2 330 000	1981
1982	981 E AT 00:15 MST ON JUL 11 *		700 A ON JUL 10		2.208 ON JAN 22 *		1 970 000	1982
1983	182 AT 11:12 MST ON JUL 13		177 ON JUL 13		5.588 ON JAN 9		1 240 000	1983
1984	80.9 AT 10:41 MST ON MAY 28		79.1 ON MAY 28		9.208 ON DEC 28		928 000	1984
							1 800 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR EMPRESS - STATION NO. 05CK002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	---	---	43.3	32.2	12.3	---	1917
1918	12.4	12.3	73.9	112	58.4	89.5	55.0	51.9	40.4	38.4	22.5	8.78	48.7	1918
1919	8.20	8.05	8.28	103	88.2	80.0	48.1	73.4	49.3	23.0	11.0	7.81	40.3	1919
1920	8.45	10.7	11.4	211	408	130	184	83.3	37.6	24.9	11.8	8.28	80.6	1920
1921	4.02	5.40	10.5	135	82.5	82.3	68.1	54.3	32.5	19.4	9.87	4.12	42.4	1921
1922	1.87	0.885	5.34	48.5	92.9	89.0	73.0	80.4	49.5	25.7	10.3	3.88	40.4	1922
1923	1.84	1.58	3.20	40.9	46.8	350	178	141	72.8	43.0	22.2	10.1	78.1	1923
1924	3.59	5.54	8.73	32.2	97.0	102	114	113	57.7	38.4	18.1	8.86	50.2	1924
1925	4.84	4.28	12.2	178	62.3	111	78.4	101	88.5	88.0	42.8	21.2	68.9	1925
1926	14.6	16.1	140	103	52.7	114	87.7	88.1	312	135	61.2	27.8	85.2	1926
1927	18.1	7.52	20.0	277	162	201	178	137	126	79.5	38.4	23.0	108	1927
1928	20.3	16.6	116	137	90.2	476	358	90.9	65.5	38.9	20.4	11.4	120	1928
1929	6.21	3.88	17.7	40.7	78.2	183	57.2	52.3	39.7	26.6	14.4	7.05	44.0	1929
1930	6.11	12.8	23.0	55.9	55.4	99.7	87.8	57.8	47.6	31.8	22.2	8.14	42.3	1930
1931	6.04	5.71	8.11	20.2	34.5	102	125	51.8	41.8	24.5	14.8	---	---	1931
1932	---	---	---	36.9	---	---	---	---	---	---	---	---	---	1932
1935	---	---	---	---	---	---	---	---	48.8	34.3	8.75	8.41	---	1935
1936	4.02	4.28	7.38	195	85.0	109	---	---	---	---	---	---	---	1936
1944	---	---	10.9	48.2	37.4	211	113	171	61.8	46.2	---	---	---	1944
1945	---	---	30.7	43.4	87.8	141	117	74.5	73.0	72.1	---	---	---	1945
1946	---	---	---	115	49.5	199	139	82.4	80.7	56.8	---	---	---	1946
1947	---	---	76.3	182	124	138	110	76.3	86.4	74.9	---	---	---	1947
1948	---	---	10.7	345	591	215	113	92.6	45.7	34.1	---	---	---	1948
1949	---	---	15.7	61.0	49.0	52.7	56.7	52.9	27.0	24.1	18.6	8.88	---	1949
1950	2.91	3.44	4.84	50.6	48.6	91.7	101	83.1	31.9	30.0	8.08	3.23	38.8	1950
1951	3.89	3.89	3.63	187	188	135	172	103	172	80.0	46.6	27.2	90.5	1951
1952	14.7	13.1	28.6	412	87.7	253	190	103	88.9	41.6	22.6	11.4	102	1952
1953	7.08	8.84	13.7	67.1	137	338	187	108	75.2	38.6	24.4	13.6	85.9	1953
1954	10.2	11.0	18.5	108	207	298	147	282	362	109	66.6	28.6	137	1954
1955	11.8	15.4	13.6	250	218	146	127	86.3	42.7	37.8	10.8	8.43	78.9	1955
1956	6.56	8.40	35.5	252	86.6	118	114	78.1	52.2	35.7	26.8	12.8	88.6	1956
1957	8.02	6.89	21.1	111	100	85.1	82.6	56.3	42.6	37.0	28.5	14.4	47.9	1957
1958	8.85	8.22	12.0	188	86.6	113	128	83.4	46.9	31.0	12.3	7.01	80.3	1958
1959	8.22	3.26	23.7	41.9	37.4	94.6	188	72.7	38.3	37.4	17.7	16.4	46.3	1959
1960	8.12	8.13	55.3	150	88.8	81.6	67.6	67.8	37.8	---	---	---	---	1960
MEAN	7.83	7.89	27.1	131	116	157	124	88.0	78.8	46.8	23.8	12.1	70.4	MEAN

LOCATION - LAT 50 57 50 N
LONG 110 01 40 W
DRAINAGE AREA, 46 800 km^2
REGULATED SINCE 1908

RED DEER RIVER NEAR EMPRESS - STATION NO. 05CK002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	3348 ON MAR 27	6.80 B ON DEC 31	1 570 000	1918
1919	---	221 ON MAY 14	5.44 B ON FEB 24	1 270 000	1919
1920	---	733 ON MAY 11	3.88 B ON DEC 31	2 880 000	1920
1921	---	309 ON APR 18	2.83 B ON DEC 31	1 330 000	1921
1922	---	145 ON MAY 7	0.810E ON JAN 24 *	1 270 000	1922
1923	---	793E ON JUN 4	0.850E ON MAR 4	2 400 000	1923
1924	---	208 ON JUL 4	1.61 B ON JAN 11	1 590 000	1924
1925	---	368 ON APR 13	3.11 B ON FEB 7	2 110 000	1925
1926	---	547 ON SEP 14	12.3 B ON JAN 30	3 000 000	1926
1927	---	3868 ON APR 17	7.19 B ON FEB 10	3 330 000	1927
1928	---	949 ON JUN 22	8.35 B ON DEC 31	3 600 000	1928
1929	---	674E ON JUN 6	3.51 B ON MAR 4	1 390 000	1929
1930	---	136 ON JUN 30	2.94 B ON JAN 26	1 330 000	1930
1931	---	382 ON JUN 20	---	---	1931
1932	---	---	---	---	1932
1935	---	---	---	---	1935
1936	---	487 ON APR 19	2.01 B ON MAR 5	---	1936
1944	---	425 ON AUG 5	---	---	1944
1945	---	288 ON MAY 31	---	---	1945
1946	---	309 ON JUN 26	---	---	1946
1947	---	398 ON MAR 26	---	---	1947
1948	---	1 310 ON APR 27 *	---	---	1948
1949	---	109 ON JUL 30	---	---	1949
1950	---	202 ON JUN 21	2.21 B ON DEC 5	1 160 000	1950
1951	---	4508 ON APR 6	2.04 B ON MAR 22	2 850 000	1951
1952	---	1 020 ON JUN 27	6.34 B ON NOV 29	3 240 000	1952
1953	---	748 ON JUN 7	3.17 B ON JAN 22	2 710 000	1953
1954	---	1 150 ON AUG 29	7.38 B ON JAN 17	4 330 000	1954
1955	---	8488 ON APR 6	3.96 B ON DEC 5	2 480 000	1955
1956	---	484 ON APR 11	5.24 B ON JAN 11	2 170 000	1956
1957	---	185 ON APR 1	5.10 B ON JAN 28	1 510 000	1957
1958	---	382 ON APR 9	3.64 B ON DEC 21	1 900 000	1958
1959	---	459 ON JUL 1	2.48 B ON FEB 14	1 480 000	1959
1960	---	3688 ON MAR 27	---	---	1960
				2 220 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR JENNER - STATION NO. 05CJ008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	48.4	47.2	27.3	7.76	---	1984
1985	7.43	8.95	17.9	---	---	---	---	137	130	93.4	52.1	28.4	---	1985
1986	13.9	12.9	31.0	128	90.0	119	188	87.2	51.8	41.0	15.7	11.0	64.4	1986
1987	12.8	11.4	---	---	---	---	---	---	---	---	---	---	---	1987
MEAN	11.4	10.4	24.5	128	90.0	119	188	112	76.1	60.5	31.7	15.1	64.4	MEAN

LOCATION - LAT 50 50 36 N
LONG 111 09 12 W
DRAINAGE AREA, 41 000 km²
NATURAL FLOW

RED DEER RIVER NEAR JENNER - STATION NO. 05CJ008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	---	---	1984
1985	---	---	---	---	1985
1986	---	854 E ON JUL 7 *	8.21B ON DEC 11 *	2 030 000	1986
1987	---	15.7B ON JAN 1	11.0 B ON FEB 7	---	1987
				2 030 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RED DEER RIVER NEAR NEVIS - STATION NO. 05CD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1944	---	---	---	30.8	45.8	197	89.8	151	48.0	34.5	17.8	10.0	---	1944
1945	8.45	8.77	12.8	32.4	110	115	85.3	62.0	52.1	48.4	19.2	14.2	84.8	1945
1946	13.8	11.8	40.2	84.8	80.0	183	87.7	47.3	53.8	34.8	17.5	11.8	73.5	1946
1947	11.0	10.9	31.1	133	125	161	83.8	52.5	87.6	52.2	28.8	18.4	88.2	1947
1948	14.7	11.6	10.8	187	515	178	80.7	70.8	35.1	23.8	16.2	7.58	138	1948
1949	8.12	7.52	10.5	42.8	34.8	38.4	49.5	38.4	17.8	16.8	11.8	4.55	30.8	1949
1950	4.85	5.73	8.83	38.7	48.0	84.7	74.8	42.2	23.7	---	---	---	---	1950
1951	---	---	8.84	83.8	129	131	148	76.4	140	57.8	---	---	84.2	1951
1952	---	---	17.1	288	70.1	280	135	78.2	45.4	28.0	---	---	112	1952
1953	---	---	12.8	57.3	120	311	147	88.8	54.6	38.3	---	---	103	1953
1954	---	---	13.8	70.3	250	301	118	288	213	83.3	---	---	187	1954
1955	---	---	14.8	187	178	118	88.0	43.1	31.0	23.8	---	---	87.7	1955
1956	---	---	19.8	128	72.2	87.5	83.4	50.0	28.1	17.4	---	---	83.2	1956
1957	---	---	14.1	87.3	80.2	87.3	37.4	30.0	28.3	24.2	---	---	48.8	1957
1958	---	---	11.5	112	84.7	81.4	113	48.5	32.2	20.1	---	---	84.0	1958
MEAN	10.1	8.38	15.0	102	128	155	88.8	78.2	87.9	35.3	18.5	11.1	88.8	MEAN

LOCATION - LAT 52 18 00 N DRAINAGE AREA, 18 100 km²
LONG 113 04 00 W NATURAL FLOW

RED DEER RIVER NEAR NEVIS - STATION NO. 05CD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)		MAXIMUM DAILY DISCHARGE (m³/s)		MINIMUM DAILY DISCHARGE (m³/s)		TOTAL DISCHARGE (dam³)	YEAR
1944	---		490	ON AUG 2	---		---	1944
1945	---		280	ON JUN 1	8.448	ON MAR 5	1 370 000	1945
1946	---		281	ON JUN 24	12.4 B	ON MAR 5	1 580 000	1946
1947	---		462	ON MAY 12	10.2 B	ON MAR 3	1 800 000	1947
1948	---		838	ON MAY 10	10.2 B	ON MAR 1	2 910 000	1948
1949	---		87.8	ON JUL 28	8.678	ON MAR 1	848 000	1949
1950	---		286	ON JUN 17	5.108	ON MAR 10 *	---	1950
1951	---		385	ON SEP 4	9.498	ON MAR 4	1 890 000	1951
1952	1 250	ON JUN 25	1 040	ON JUN 25	11.1 B	ON MAR 19	2 370 000	1952
1953	758	ON JUN 5	877	ON JUN 5	9.838	ON MAR 1	2 180 000	1953
1954	1 880	ON AUG 27 *	1 280	ON AUG 28 *	8.618	ON MAR 8	3 630 000	1954
1955	---		352 B	ON APR 8	12.6 B	ON MAR 1	1 880 000	1955
1956	---		334 B	ON APR 15	8.818	ON MAR 24	1 340 000	1956
1957	---		181	ON APR 19	5.808	ON MAR 23	883 000	1957
1958	---		311 B	ON APR 10	8.898	ON APR 3	1 380 000	1958
	B - ICE CONDITIONS		* - EXTREME RECORDED FOR THE PERIOD OF RECORD				1 840 000	MEAN

RED DEER RIVER NEAR SUNDRE - STATION NO. 05CA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	---	---	11.3	---	---	---	1950
1951	---	---	---	---	57.3	75.7	45.5	55.7	28.8	---	---	---	---	1951
1952	---	---	---	18.8	32.2	85.7	63.8	49.8	23.4	14.7	---	---	---	1952
1953	---	---	---	---	33.1	138	79.8	39.2	24.8	14.2	---	---	---	1953
1954	---	---	4.89	8.39	38.1	93.0	76.0	82.8	84.4	24.8	---	---	---	1954
1955	---	---	---	---	24.5	83.4	58.4	28.3	16.4	12.0	---	---	---	1955
1956	---	---	5.83	9.83	38.8	88.9	48.2	28.3	17.8	10.4	---	---	---	1956
1957	---	---	4.48	12.8	48.0	44.8	28.3	25.0	21.5	16.0	---	---	---	1957
1958	---	---	5.17	24.3	82.8	86.5	70.2	38.3	24.8	13.8	---	---	---	1958
1959	---	---	6.27	7.73	24.3	87.1	82.0	32.8	24.4	16.8	---	---	---	1959
1960	---	---	8.84	10.7	24.3	80.4	48.8	30.8	16.1	11.3	---	---	---	1960
1961	---	---	4.23	5.41	41.5	83.2	37.7	43.1	18.8	18.8	---	---	---	1961
1962	---	---	5.28	11.8	28.2	80.5	48.8	34.2	20.3	12.2	---	---	---	1962
1963	---	---	5.27	9.89	35.7	84.0	81.7	47.0	30.5	17.0	---	---	---	1963
1964	---	---	---	---	35.5	134	81.8	27.8	20.9	17.8	---	---	---	1964
1965	---	---	7.87	14.3	31.9	128	107	55.3	53.5	34.5	---	---	---	1965
1966	---	---	11.0	10.1	45.8	80.3	77.2	43.0	25.3	18.7	---	---	---	1966
1967	---	---	5.44	9.02	40.3	88.1	45.8	28.2	18.7	11.7	---	---	---	1967
1968	---	---	5.83	8.92	20.6	81.0	47.0	35.3	22.8	18.0	---	---	---	1968
1969	---	---	6.39	18.8	85.4	89.0	86.4	36.7	21.4	13.0	8.20	7.85	---	1969
1970	4.47	5.28	4.84	5.87	28.8	84.0	45.3	28.5	14.0	8.88	5.85	4.58	18.7	1970
1971	4.48	4.88	4.50	8.32	33.2	78.0	41.4	33.4	18.8	8.37	5.88	3.88	20.2	1971
1972	4.14	4.83	5.52	7.30	28.8	103	57.5	37.1	24.3	15.7	---	---	---	1972
1973	---	---	---	---	---	87.2	48.8	31.3	22.4	13.3	---	---	---	1973
MEAN	4.38	4.88	6.04	11.0	34.7	80.5	62.2	38.8	25.8	15.9	7.18	5.37	20.0	MEAN

LOCATION - LAT 51 42 00 N DRAINAGE AREA, 2 480 km²
LONG 114 51 20 W NATURAL FLOW

RED DEER RIVER NEAR SUNDRE - STATION NO. 05CA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	151 AT 05:00 MST ON JUN 15	133 ON JUN 15	---	---	1951
1952	464 AT 08:00 MST ON JUN 23	389 ON JUN 23	---	---	1952
1953	286 AT 12:00 MST ON JUN 3	286 ON JUN 3	---	---	1953
1954	544 AT 08:00 MST ON AUG 25	396 ON AUG 25	---	---	1954
1955	172 AT 04:00 MST ON JUN 13	138 ON JUN 13	---	---	1955
1956	131 AT 14:00 MST ON JUN 5	119 ON JUN 5	---	---	1956
1957	83.6 AT 16:00 MST ON JUN 8	74.2 ON MAY 20	---	---	1957
1958	114 AT 12:00 MST ON JUL 8	100 ON JUL 8	---	---	1958
1959	227 AT 08:00 MST ON JUN 27	185 ON JUN 27	---	---	1959
1960	96.0 AT 07:00 MST ON JUL 2	84.7 ON JUL 1	---	---	1960
1961	141 AT 14:00 MST ON MAY 27	131 ON MAY 27	---	---	1961
1962	77.3 AT 08:00 MST ON JUN 18	69.4 ON JUN 18	---	---	1962
1963	177 AT 01:00 MST ON JUN 30	143 ON JUN 30	---	---	1963
1964	277 AT 23:00 MST ON JUL 3	212 ON JUL 4	---	---	1964
1965	854 AT 15:00 MST ON JUN 18 *	578 ON JUN 18 *	---	---	1965
1966	243 AT 20:00 MST ON JUL 3	174 ON JUL 3	---	---	1966
1967	484 AT 23:30 MST ON MAY 30	308 ON MAY 31	---	---	1967
1968	---	85.8 ON JUN 12	---	---	1968
1969	283 AT 11:30 MST ON JUN 29	240 ON JUN 29	---	---	1969
1970	513 AT 13:00 MST ON JUN 16	382 ON JUN 16	3.488 ON NOV 30 *	822 000	1970
1971	222 AT 11:00 MST ON JUN 6	184 ON JUN 6	3.868 ON DEC 28	936 000	1971
1972	269 AT 08:00 MST ON JUN 25	253 ON JUN 25	---	---	1972
1973	---	136 ON JUN 24	---	---	1973
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		828 000	MEAN

RED WILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC904

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	0.108	0.139	0.093	1.18	0.021	0.002	0.008	---	---	0.223	1983
MEAN	---	---	---	0.108	0.139	0.093	1.18	0.021	0.002	0.008	---	---	0.223	MEAN

LOCATION - LAT 52 22 15 N, LONG 112 52 13 W
DRAINAGE AREA, 806 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

RED WILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC904

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	8.82 AT 13:54 MST ON JUL 4 *	5.04 ON JUL 5 *	0 ON MAY 3 *	4 130	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 130	MEAN

REDEARTH CREEK NEAR THE MOUTH - STATION NO. 05BB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	---	---	---	---	---	---	---	---	2.41	1.78	---	---	---	1973
1974	---	---	---	---	2.14	18.1	12.3	5.33	2.66	1.37	---	---	8.84	1974
1975	---	---	---	---	1.75	10.1	9.33	5.58	3.07	1.83	---	---	5.28	1975
1976	---	---	---	---	5.10	10.6	13.5	8.41	5.83	2.23	---	---	7.80	1976
1977	---	---	---	---	3.69	9.21	5.10	5.26	3.57	1.88	---	---	4.74	1977
1978	---	---	---	---	2.39	13.5	9.18	4.93	3.85	2.25	---	---	6.62	1978
1979	---	---	---	---	2.37	11.3	6.85	3.38	2.08	1.34	---	---	4.53	1979
1980	---	---	---	---	11.6	10.2	4.85	3.44	3.24	2.82	---	---	5.89	1980
1981	---	---	---	---	6.08	10.7	14.9	7.19	2.78	1.48	---	---	7.52	1981
1982	---	---	---	---	2.34	15.6	7.88	4.37	4.08	1.82	---	---	6.88	1982
1983	---	---	---	---	4.03	11.1	7.60	4.10	2.14	1.23	---	---	5.05	1983
1984	---	---	---	---	1.43	12.5	7.89	4.88	2.86	1.88	---	---	5.17	1984
MEAN	---	---	---	---	4.10	12.0	9.07	5.14	3.22	1.77	---	---	6.87	MEAN

LOCATION - LAT 51 13 22 N, LONG 115 48 40 W
DRAINAGE AREA, 147 km^2
NATURAL FLOW

REDEARTH CREEK NEAR THE MOUTH - STATION NO. OSBB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1973	---	---	---	---	1973
1974	42.6 AT 21:00 MST ON JUN 24 *	39.4 ON JUN 24 *	1.09 E ON OCT 31	110 000	1974
1975	15.6 AT 03:30 MST ON JUN 26	14.6 ON JUN 26	0.9348 ON MAY 1	83 700	1975
1976	23.4 AT 19:15 MST ON JUL 1	21.6 ON JUL 1	0.872 ON MAY 1	121 000	1976
1977	23.0 AT 19:30 MST ON JUN 8	19.7 ON JUN 8	1.17 ON OCT 31	75 500	1977
1978	18.4 AT 13:30 MST ON JUN 8	17.5 ON JUN 8	0.977 ON MAY 8	82 500	1978
1979	17.8 AT 23:00 MST ON JUN 12	15.9 ON JUN 13	0.720E ON MAY 1	71 900	1979
1980	27.7 AT 18:15 MST ON MAY 21	24.6 ON MAY 21	1.87 ON OCT 31	85 200	1980
1981	38.5 AT 20:55 MST ON MAY 26	33.0 ON MAY 26	1.17 ON OCT 21	120 000	1981
1982	24.9 AT 23:00 MST ON JUN 15	23.3 ON JUN 16	0.543 ON MAY 1 *	85 100	1982
1983	21.5 AT 20:45 MST ON MAY 30	20.0 ON MAY 30	0.820 ON MAY 4	80 300	1983
1984	37.2 AT 19:34 MST ON JUN 29	29.4 ON JUN 29	0.721 ON MAY 11	82 200	1984
				83 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR REDWATER - STATION NO. OSEC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.655	0.861	0.207	0.110	---	---	---	1972
1973	---	---	0.214	3.83	1.09	1.18	0.288	0.888	0.380	0.887	---	---	1.03	1973
1974	---	---	0.085	32.4	13.7	3.07	7.85	1.55	0.548	0.578	---	---	7.40	1974
1975	---	---	0.125	2.51	2.24	0.788	1.05	0.882	1.21	0.445	---	---	1.15	1975
1976	---	---	0.118	3.55	0.848	0.353	0.208	0.178	0.042	0.024	---	---	0.632	1976
1977	---	---	0.088	6.04	2.43	0.240	0.232	0.318	0.322	0.284	---	---	1.23	1977
1978	---	---	0.205	5.78	1.73	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.134	9.02	3.84	1.12	1.88	0.743	0.448	0.350	---	---	2.28	MEAN

LOCATION - LAT 53 56 55 N
LONG 113 03 30 W
DRAINAGE AREA, 1 490 km^2
NATURAL FLOW

REDWATER RIVER NEAR REDWATER - STATION NO. OSEC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	9.97 AT 13:15 MST ON APR 7	9.74 ON APR 8	0 ON SEP 17 *	21 800	1973
1974	115 AT 11:40 MST ON APR 25 *	110 ON APR 24 *	0.0858 ON MAR 1	157 000	1974
1975	10.5 AT 13:30 MST ON APR 25	10.2 ON APR 26	0.1188 ON MAR 22	24 300	1975
1976	12.5 AT 00:01 MST ON APR 8	11.0 ON APR 8	0.022 ON SEP 13	13 400	1976
1977	19.3 AT 01:30 MST ON APR 14	16.8 ON APR 14	0.003 ON JUN 21	26 000	1977
1978	15.8 AT 21:20 MST ON APR 8	14.8 ON APR 8	---	---	1978
				48 500	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWATER RIVER NEAR THE MOUTH - STATION NO. OSEC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	0.074R	0.082R	2.06 R	1.68 R	---	---	---	1978
1979	---	---	1.03	12.7	7.58	1.59	2.65	0.826	0.048	0.149	---	---	3.28	1979
1980	---	---	0.045	2.26	0.378	0.074	0.089	0.321	0.827	0.707	---	---	0.581	1980
1981	---	---	2.43	11.6	1.88	0.582	0.188	0.077	0.008	0.018	---	---	2.10	1981
1982	---	---	0.048	8.28	7.54	0.515	0.278	0.141	0.040	0.053	---	---	1.88	1982
1983	---	---	0.037	0.737	0.321	1.88	3.83	0.378	0.057	0.072	---	---	0.687	1983
1984	---	---	0.285	0.877	0.453	0.857	0.089	0.026	0.015	0.040	---	---	0.300	1984
MEAN	---	---	0.648	5.78	3.01	0.843	1.04 R	0.238R	0.450R	0.388R	---	---	1.50	MEAN

LOCATION - LAT 53 53 49 N
LONG 112 59 48 W
DRAINAGE AREA, 1 550 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

REDWATER RIVER NEAR THE MOUTH - STATION NO. OSEC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	15.8 AT 21:20 MST ON APR 8	---	---	---	1978
1979	26.9 B AT 01:00 MST ON APR 20	26.5 A ON APR 25	0.003 ON OCT 6	89 400	1979
1980	9.318 AT 07:35 MST ON APR 18	7.848 ON APR 18	0.004 ON AUG 2	12 500	1980
1981	27.7 AT 21:30 MST ON APR 2	25.8 B ON APR 2	0.001 ON SEP 10 *	44 500	1981
1982	28.2 AT 10:20 MST ON APR 28 *	28.8 ON APR 28 *	0.018 ON SEP 25	38 300	1982
1983	8.48 AT 07:50 MST ON JUN 28	8.27 ON JUN 28	0.0188 ON MAR 3	18 700	1983
1984	3.01 AT 08:15 MST ON APR 5	2.738 ON APR 5	0.0088 ON MAR 17	8 340	1984
				31 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

REDWILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	0.030	0.104	0.185	---	---	---	1984
MEAN	---	---	---	---	---	---	---	0.030	0.104	0.185	---	---	---	MEAN

LOCATION - LAT 52 31 18 N
LONG 112 23 13 W NATURAL FLOW

REDWILLOW CREEK NEAR RED WILLOW - STATION NO. 05FC005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	---	0 ON SEP 1 *	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

REDWILLOW RIVER NEAR BEAVERLODGE - STATION NO. 07GD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	0.984	0.984	0.622	17.6	15.7	12.7	29.2	4.55	0.617	0.710	1.14	0.545	7.13	1983
1984	0.389	0.271	0.403	2.68	14.6	9.95	0.995	0.137	3.37	3.27	1.31	0.491	3.17	1984
MEAN	0.687	0.433	0.483	10.2	15.3	11.3	15.1	2.34	1.99	1.99	1.23	0.518	5.15	MEAN

LOCATION - LAT 55 04 55 N DRAINAGE AREA, 1 810 km^2
LONG 119 31 30 W NATURAL FLOW

REDWILLOW RIVER NEAR BEAVERLODGE - STATION NO. 07GD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	43.8 AT 17:57 MST ON JUL 27 *	38.8 ON JUN 28 *	0.345 ON OCT 12	225 000	1983
1984	38.9 AT 09:30 MST ON MAY 18	38.0 ON MAY 18	0.0908 ON MAR 16 *	100 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		163 000	MEAN

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0.050	0.269	0.155	0.032	0.010	0.002	0.001	0	---	---	---	1981
1982	0	0	0	0.113	0.131	0.088	0.109	0.088	0.042	0.008	0.015	0.022	0.053	1982
1983	0.006	0	0.001	0.170	0.208	0.115	0.135	0.087	0.021	0.004	0.007	0.004	0.082	1983
1984	0	0	0.018	0.209	0.183	0.182	0.038	0.003	0.005	0.014	0.050	0.079	0.086	1984
MEAN	0.002	0	0.017	0.190	0.171	0.107	0.073	0.043	0.017	0.007	0.024	0.035	0.080	MEAN

LOCATION - LAT 54 13 45 N DRAINAGE AREA, 161 km^2
LONG 110 19 45 W NATURAL FLOW

REITA CREEK NEAR OUTLET OF ANGLING LAKE - STATION NO. 06AD013

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.3028 ON APR 1	0 ON AUG 18 *	---	1981
1982	0.6808 AT 15:41 MST ON APR 21 *	0.4178 ON APR 20 *	0B ON JAN 1	1 880	1982
1983	0.3256 AT 10:40 MST ON MAY 19	0.312 ON MAY 19	0B ON JAN 28	1 940	1983
1984	---	0.2848 ON APR 2	0B ON JAN 12	2 080	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 900	MEAN

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.880	0.084	0.002	0	0	0	0	---	---	---	1967
1968	---	---	0.020	0.002	0	0	0.012	0.015	0.002	0.004	---	---	0.007	1968
1969	---	---	0	1.00	0.008	0	0.003	0	0.001	0.001	---	---	0.124	1969
1970	---	---	---	---	---	---	0	0.014	0	0	---	---	---	1970
1977	---	---	0.014	0.021	0.034	0.005	0	0	0.001	0.002	---	---	0.010	1977
1978	---	---	0.308	0.078	0.018	0.007	0	0	0.002	0	---	---	0.051	1978
1979	---	---	0.128	0.058	0.012	0	0	0	0	0	---	---	0.025	1979
1980	---	---	0	0.357	0.018	0.139	0.071	0.011	0.001	0	---	---	0.074	1980
1981	---	---	0.041	0.010	0.123	0	0	0.001	0	0	---	---	0.022	1981
1982	---	---	0.090	0.137	0.008	0.002	0.013	0.009	0.001	0.001	---	---	0.032	1982
1983	---	---	0.029	0.020	0.002	0	0.006	0	0	0	---	---	0.007	1983
1984	---	---	0.018	0.001	0.001	0.011	0	0	0	0.003	---	---	0.004	1984
MEAN	---	---	0.085	0.218	0.028	0.015	0.009	0.004	0.001	0.001	---	---	0.036	MEAN

LOCATION - LAT 51 43 01 N DRAINAGE AREA, 57.2 km²
LONG 113 21 47 W NATURAL FLOW

RENWICK CREEK NEAR THREE HILLS - STATION NO. 05CE011

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	1.84 B ON APR 15	0 ON JUN 3 *	---	1967
1968	---	0.176 ON AUG 7	0 ON APR 30	148	1968
1969	---	8.67 B ON APR 4 *	0B ON MAR 1	2 630	1969
1970	---	---	---	---	
1977	0.889 AT 09:25 MST ON MAY 23	0.343 ON MAY 23	0 ON JUL 5	---	1970
1978	5.07 AT 21:00 MST ON MAR 29 *	3.62 ON MAR 29	0B ON MAR 1	203	1977
1979	---	1.27 B ON MAR 7	0B ON MAR 1	1 080	1978
1980	4.47 AT 02:00 MST ON JUN 3	2.08 B ON APR 5	0B ON MAR 1	529	1979
1981	4.07 AT 23:15 MST ON MAY 6	2.09 ON MAY 7	0B ON MAR 1	1 580	1980
1982	---	1.03 B ON MAR 28	0B ON MAR 1	487	1981
1983	---	0.1048 ON MAR 15	0B ON MAR 1	888	1982
1984	---	0.1888 ON MAR 22	0B ON MAR 1	147	1983
				89.9	1984
				755	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.088	0.021	0	0	0	0	0.090	0.054	---	---	0.032	1968
1969	---	---	0	3.09	1.31	0.357	0	0	0	0	---	---	0.588	1969
1970	---	---	0	0.537	0.536	0.254	0.252	0.125	0.009	0	---	---	0.214	1970
1971	---	---	0	1.83	1.74	0.512	0.231	0.073	0.003	0	---	---	0.522	1971
1972	---	---	0.011	0.049	0.009	0.006	0.007	0.013	0	0	---	---	0.012	1972
1973	---	---	0.017	0.081	0.010	0.187	0.450	0.327	0.280	0.057	---	---	0.178	1973
1974	---	---	0	2.90	5.15	1.48	0.585	0.187	0.013	0	---	---	1.42	1974
1975	---	---	0	0.221	2.33	0.881	0.314	0.043	0.002	0	---	---	0.473	1975
1976	---	---	0.018	0.328	0.084	0.082	0.141	0.031	0	0	---	---	0.085	1976
1977	---	---	0	0	0.128	0.008	0	0	0	0	---	---	0.017	1977
1978	---	---	0.008	0.051	0.048	0.008	0	0	0	0	---	---	0.014	1978
1979	---	---	0.052	0.058	0.017	0.003	0.001	0	0	0	---	---	0.017	1979
1980	---	---	0	0.032	0.003	0.003	0.001	0.005	0	0	---	---	0.006	1980
1981	---	---	0.024	0.048	0.003	0.001	0	0.001	0	0	---	---	0.009	1981
1982	---	---	0	0.006	0.004	0	0	0	0	0.001	---	---	0.002	1982
1983	---	---	0.010	0.082	0.003	0.005	0.048	0.007	0.002	0.002	---	---	0.026	1983
1984	---	---	0.047	0.089	0.008	0.027	0.002	0	0	0	---	---	0.019	1984
MEAN	---	---	0.018	0.841	0.728	0.222	0.125	0.047	0.024	0.007	---	---	0.213	MEAN

LOCATION - LAT 52 29 17 N DRAINAGE AREA, 1 830 km²
LONG 110 44 15 W NATURAL FLOW

RIBSTONE CREEK NEAR CZAR - STATION NO. 05FD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	0.415 ON SEP 25	0 ON MAR 1 *	888	1968
1969	7.87 AT 07:41 MST ON APR 18	7.84 ON APR 18	0B ON MAR 1	12 400	1969
1970	1.25 AT 18:23 MST ON APR 25	1.21 ON APR 25	0B ON MAR 1	4 520	1970
1971	4.93 AT 22:00 MST ON APR 27	4.87 ON APR 28	0B ON MAR 1	11 100	1971
1972	---	0.075E ON APR 13	0B ON MAR 1	252	1972
1973	0.728 AT 21:30 MST ON JUL 8	0.722 ON JUL 7	0B ON MAR 1	3 700	1973
1974	21.9 AT 23:00 MST ON APR 30 *	20.9 ON APR 30 *	0B ON MAR 1	30 200	1974
1975	3.20 AT 08:30 MST ON MAY 20	3.09 ON MAY 20	0B ON MAR 1	10 000	1975
1976	0.686 AT 13:30 MST ON APR 28	0.631 ON APR 28	0B ON MAR 1	1 800	1976
1977	0.433 AT 17:00 MST ON MAY 18	0.382 ON MAY 18	0B ON MAR 1	353	1977
1978	---	0.088A ON MAY 17	0B ON MAR 1	298	1978
1979	---	0.186A ON MAR 20	0E ON MAR 1	350	1979
1980	0.086 AT 14:25 MST ON APR 13	0.083B ON APR 13	0B ON MAR 1	120	1980
1981	---	0.078B ON MAR 18	0B ON MAR 9	198	1981
1982	---	0.028B ON APR 19	0B ON MAR 1	34.0	1982
1983	0.282 AT 18:20 MST ON APR 1	0.268 ON APR 1	0B ON MAR 1	417	1983
1984	---	0.198B ON MAR 27	0B ON MAR 1	393	1984
				4 520	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	---	---	---	---	0.172	0.224	---	---	---	1924
1925	---	---	---	1.20	0.818	0.415	0.081	0.043	0.074	0.136	---	---	---	1925
1926	---	---	---	1.17	0.749	0.407	0.027	0.097	0.254	0.259	---	---	---	1926
1927	---	---	0	1.20	3.54	2.56	1.94	1.29	0.975	1.19	---	---	1.58	1927
1928	---	---	0.042	2.80	4.09	1.59	0.707	0.283	0.174	0.180	---	---	1.20	1928
1929	---	---	0.018	0.559	0.648	0.321	0.175	0.020	0.008	0.012	---	---	0.218	1929
1930	---	---	---	0.699	0.382	0.171	0.130	0.190	0.274	0.388	---	---	---	1930
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	1.70	1.86	0.587	---	---	---	---	---	---	---	1936
1982	---	---	0	0.379	0.356	0.107	0.118	0.085	0.039	0.005	---	---	0.136	1982
1983	---	---	0.024	1.88	1.16	0.216	0.127	0.114	0.131	0.253	---	---	0.480	1983
1984	---	---	0	0.549	0.742	0.240	0.002	0.014	0.085	0.048	---	---	0.209	1984
1985	---	---	0	0.894	2.71	2.15	2.00	0.471	0.146	0.072	---	---	1.08	1985
1986	---	---	0.014	1.47	0.829	0.364	0.059	0.084	0.001	0.135	---	---	0.376	1986
1987	---	---	0.028	0.081	1.42	0.891	0.177	0.023	0	0	---	---	0.325	1987
1988	---	---	0.323	1.29	0.611	0.137	0.030	0.103	0.272	0.765	---	---	0.440	1988
1989	---	---	0.403	3.54	3.78	0.836	0.295	0.053	0.094	0.135	---	---	1.14	1989
1970	---	---	0.003	0.295	2.10	0.713	1.35	0.441	0.123	0.084	---	---	0.641	1970
1971	---	---	0.088	0.945	2.32	1.83	1.43	0.382	0.052	0.088	---	---	0.889	1971
1972	---	---	0.115	0.175	0.063	0.431	0.784	0.803	0.319	0.277	---	---	0.348	1972
1973	---	---	0.004	0.174	0.850	1.36	1.74	0.874	0.443	0.165	---	---	0.678	1973
1974	---	---	0.057	0.907	7.19	4.71	1.48	0.338	0.153	0.178	---	---	1.88	1974
1975	---	---	0.087	0.504	0.893	2.34	2.98	0.486	0.088	0.261	---	---	0.849	1975
1976	---	---	0.003	0.355	0.286	0.923	0.919	0.242	0.057	0.048	---	---	0.353	1976
1977	---	---	0	0.130	0.146	0.818	0.333	0.027	0.078	0.120	---	---	0.205	1977
1978	---	---	0.007	0.080	0.110	0.721	0.790	0.130	0.057	0.061	---	---	0.248	1978
1979	---	---	0.010	0.088	0.058	0.580	1.09	0.459	0.079	0.020	---	---	0.298	1979
1980	---	---	0	0.115	0.028	0.536	0.431	0.204	0.083	0.055	---	---	0.181	1980
1981	---	---	0.022	0.055	0.597	1.07	0.222	0.058	0.002	0	---	---	0.252	1981
1982	---	---	0	0.100	0.050	0.528	0.318	0.105	0.011	0.025	---	---	0.141	1982
1983	---	---	0	0.037	0.021	0.482	3.47	1.69	0.038	0.024	---	---	0.723	1983
1984	---	---	0.008	0.129	0.070	1.60	0.736	0.041	0.048	0.039	---	---	0.330	1984
MEAN	---	---	0.048	0.770	1.28	0.987	0.825	0.310	0.139	0.185	---	---	0.587	MEAN

LOCATION - LAT 52 45 18 N LONG 110 29 00 W
DRAINAGE AREA, 3 130 km^2
REGULATED

RIBSTONE CREEK NEAR EDGERTON - STATION NO. 05FD001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	1.58 ON APR 11	---	---	1926
1927	---	1.98 B ON APR 13	0 B ON MAR 1 *	---	1927
1928	---	4.02 ON MAY 10	0 B ON MAR 1	33 800	1928
1929	---	5.66 ON APR 28	0 B ON MAR 1	25 500	1929
		0.929 ON APR 19	0 B ON MAR 1	4 830	
1930	---	---	---	---	1930
1935	---	---	0 ON SEP 1	---	1935
1936	---	4.82 E ON APR 15	0 B ON MAR 1	---	1936
1962	---	0.753 ON APR 30	0 ON MAR 1	2 870	1962
1963	---	2.70 ON APR 20	0 B ON MAR 1	9 740	1963
1964	---	0.875 ON MAY 8	0 B ON MAR 1	4 420	1964
1965	---	3.11 ON MAY 16	0 B ON MAR 1	22 300	1965
1966	---	2.04 ON APR 14	0 B ON MAR 1	7 870	1966
1967	---	1.78 ON MAY 8	0 ON AUG 3	5 880	1967
1968	---	1.58 B ON APR 2	0 ON JUL 5	3 320	1968
1969	---	5.99 ON APR 13	0.001 ON AUG 30	24 100	1969
1970	---	9.20 ON MAY 17	0 B ON MAR 1	13 800	1970
1971	---	2.88 ON MAY 28	0.027 ON AUG 31	18 800	1971
1972	---	1.30 ON JUL 5	0 B ON MAR 1	7 330	1972
1973	---	2.78 ON JUN 25	0 B ON MAR 1	14 400	1973
1974	---	24.1 ON MAY 13 *	0.0858 ON MAR 21	39 700	1974
1975	---	9.37 ON JUL 4	0.020 ON SEP 9	20 100	1975
1976	---	3.08 B ON APR 7	0 B ON MAR 1	7 470	1976
1977	---	0.940 ON JUN 15	0 B ON MAR 1	4 330	1977
1978	---	2.38 ON JUN 27	0 B ON MAR 1	5 220	1978
1979	---	3.08 ON JUL 18	0 B ON MAR 1	5 280	1979
1980	---	0.815 ON JUN 13	0 B ON MAR 1	3 830	1980
1981	---	3.96 ON JUN 1	0 B ON MAR 1	5 330	1981
1982	---	1.85 ON JUN 22	0 B ON MAR 1	2 980	1982
1983	---	19.2 ON JUL 28	0 B ON MAR 1	15 300	1983
1984	---	3.82 ON JUN 14	0 B ON MAR 1	6 990	1984
				12 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK NEAR RIBSTONE - STATION NO. 05FD003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1925	---	---	---	---	1.13	0.784	0.154	0	0	0.340	---	---	---	1925
1926	---	---	0.062	1.35	1.18	0.750	0.171	0	0.083	---	---	---	---	1926
1927	---	---	0	1.52	4.68	3.20	2.60	1.20	1.03	1.86	---	---	2.02	1927
1928	---	---	0.103	2.58	3.98	2.51	0.954	0.780	0.071	0.195	---	---	1.32	1928
1929	---	---	0.019	0.896	0.819	0.391	0.083	0	0	0	---	---	0.274	1929
1930	---	---	---	0.737	0.809	0.815	0.704	0.148	0.382	0.880	---	---	---	1930
1935	---	---	---	---	---	---	---	---	0	0	---	---	---	1935
1936	---	---	0	1.08	1.78	0.908	---	---	---	---	---	---	---	1936
MEAN	---	---	0.037	1.38	2.05	1.31	0.778	0.288	0.226	0.474	---	---	1.20	MEAN

LOCATION - LAT 52 43 20 N
LONG 110 18 00 W
DRAINAGE AREA, 3 930 km^2
NATURAL FLOW

RIBSTONE CREEK NEAR RIBSTONE - STATION NO. 05FD003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1925	---	---	0 ON JUL 22 *	---	1925
1926	---	---	0B ON MAR 1	---	1926
1927	---	2.83E ON APR 18	0 ON MAR 1	42 700	1927
1928	---	7.78 ON MAY 13 *	0B ON MAR 1	38 000	1928
1929	---	4.90 ON MAY 3	0B ON MAR 1	5 790	1929
		1.538 ON APR 22			
1930	---	2.15 ON JUL 1	---	---	1930
1935	---	---	0 ON SEP 1	---	1935
1936	---	2.41 ON APR 30	0B ON MAR 1	---	1936
				25 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	---	0 R	---	---	---	1978
1979	---	---	0.131R	0.040R	0 R	0 R	0 R	0 R	0 R	0 R	---	---	0.021R	1979
1980	---	---	0	0.055	0	0	0	0.010	0	0	---	---	0.008	1980
1981	---	---	0.089	0.030	0.020	0	0	0	0	0	---	---	0.015	1981
1982	---	---	0	0.074	0.005	0.001	0.013	0.001	0	0	---	---	0.012	1982
1983	---	---	0.023	0.009	0.001	0.019	0.024	0	0	0	---	---	0.010	1983
1984	---	---	0.118	0.021	0	0	0	0	0.033	0.004	---	---	0.022	1984
MEAN	---	---	0.057R	0.038R	0.004R	0.003R	0.008R	0.002R	0.008R	0.001R	---	---	0.015	MEAN

LOCATION - LAT 52 10 47 N
LONG 111 14 15 W
DRAINAGE AREA, 87.9 km²
NATURAL FLOW

R - REVISED SINCE JAN 1980

RIBSTONE CREEK TRIBUTARY NEAR CORONATION - STATION NO. 05FD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1978	---	---	---	---	1978
1979	---	0.482RB ON MAR 13	0RB ON MAR 1 *	454R	1979
1980	---	0.234 ON APR 5	0B ON MAR 1	189	1980
1981	---	0.294B ON MAR 15	0B ON MAR 1	317	1981
1982	---	0.680B ON APR 14	0B ON MAR 1	244	1982
1983	0.789 AT 15:23 MST ON JUN 19 *	0.389 ON JUN 19	0B ON MAR 1	204	1983
1984	---	0.690B ON MAR 28 *	0B ON MAR 1	451	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		308R	MEAN

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	18.7	17.9	14.3	16.8	16.7	17.3	14.9	---	1970
1971	11.1	11.4	11.8	12.4	20.0	15.3	14.9	13.2	13.8	14.3	15.3	11.3	13.7	1971
1972	10.8	10.2	11.5	11.8	26.2	19.8	19.9	15.5	14.9	18.2	17.1	11.6	15.8	1972
1973	12.0	11.4	11.7	19.5	18.7	14.9	18.1	21.8	17.4	17.8	17.1	14.0	16.2	1973
1974	13.6	12.8	13.0	30.3	25.3	24.2	20.4	16.8	16.0	14.5	13.8	13.1	17.7	1974
1975	12.2	10.9	11.3	16.7	20.3	19.2	20.8	19.0	21.4	22.5	17.8	11.3	17.0	1975
1976	11.3	10.5	10.7	25.7	20.2	16.2	15.2	15.5	15.0	16.5	11.1	11.9	15.2	1976
1977	11.8	12.8	13.2	16.2	16.4	17.1	17.2	15.9	16.9	16.4	12.8	11.7	15.2	1977
1978	12.8	10.7	10.4	17.7	23.3	16.2	15.8	17.8	23.7	22.6	16.3	10.3	17.0	1978
1979	13.2	12.7	12.2	15.0	26.9	21.3	17.7	16.4	15.9	16.0	13.3	9.72	16.1	1979
1980	11.8	11.6	12.2	19.4	15.3	13.0	13.7	15.1	16.3	15.9	14.7	11.8	14.2	1980
1981	11.5	11.5	13.8	16.8	22.2	16.3	14.5	11.3	10.8	11.7	10.8	9.21	13.4	1981
1982	8.84	8.03	9.56	13.7	27.7	15.9	12.8	14.1	15.4	14.3	12.5	11.2	13.8	1982
1983	10.9	11.2	11.7	16.7	17.7	15.0	13.0	13.3	13.7	13.9	12.3	10.8	13.4	1983
1984	10.5	11.1	11.8	16.8	14.7	15.1	13.2	13.8	14.5	15.2	13.4	12.7	13.8	1984
MEAN	11.6	11.2	11.8	18.0	21.5	17.6	16.4	15.6	16.1	16.5	14.4	11.9	15.2	MEAN

LOCATION - LAT 58 21 48 N
LONG 111 14 14 W
DRAINAGE AREA, 2 700 km²
NATURAL FLOW

RICHARDSON RIVER NEAR THE MOUTH - STATION NO. 07DD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	28.3B ON MAY 2	9.29 ON OCT 30	433 000	1971
1972	---	38.2 ON MAY 8	9.49B ON MAR 9	489 000	1972
1973	30.0 AT 15:00 MST ON AUG 13	29.4 ON AUG 13	11.2 B ON FEB 20	512 000	1973
1974	43.6B AT 11:20 MST ON APR 21 *	41.6B ON APR 21 *	11.7 B ON NOV 13	569 000	1974
1975	27.2 AT 19:00 MST ON APR 28	25.7 ON APR 28	9.81B ON DEC 9	535 000	1975
1976	36.0B AT 12:40 MST ON APR 17	33.4 ON APR 18	10.1 B ON MAR 5	479 000	1976
1977	28.1 AT 00:01 MST ON APR 24	27.0 ON APR 24	10.9 B ON NOV 27	480 000	1977
1978	31.4B AT 12:30 MST ON APR 28	31.4B ON APR 28	9.34B ON MAR 3	536 000	1978
1979	35.0 AT 14:15 MST ON MAY 17	34.9 ON MAY 17	8.80B ON DEC 7 *	506 000	1979
1980	25.6B AT 19:50 MST ON APR 22	25.6B ON APR 22	10.3 B ON JAN 30	449 000	1980
1981	---	37.0B ON MAY 2	8.80B ON DEC 14	421 000	1981
1982	38.4 AT 20:27 MST ON MAY 7	36.2 ON MAY 7	8.84B ON JAN 1	436 000	1982
1983	25.6B AT 23:37 MST ON APR 22	21.3B ON APR 25	10.1 B ON DEC 24	423 000	1983
1984	23.7B AT 01:43 MST ON APR 11	23.3B ON APR 10	10.3 B ON JAN 1	437 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		479 000	MEAN

ROBERT CREEK NEAR ANZAC - STATION NO. 07CE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	0.122	0.190	0.181	0.083	0.052	---	---	---	1982
1983	---	---	0.008	0.181	0.198	0.248	0.095	0.115	0.068	0.081	---	---	0.123	1983
1984	---	---	0.004	0.187	0.212	0.740	0.387	0.058	0.081	0.182	---	---	0.230	1984
MEAN	---	---	0.005	0.184	0.204	0.369	0.224	0.118	0.070	0.105	---	---	0.177	MEAN

LOCATION - LAT 55 20 00 N, LONG 110 58 00 W DRAINAGE AREA, 84.1 km²

ROBERT CREEK NEAR ANZAC - STATION NO. 07CE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	---	---	---	---	1982
1983	---	0.873E ON AUG 3	0.0088 ON MAR 1	3 800	1983
1984	---	3.00 E ON JUN 2 *	0 B ON MAR 1 *	4 680	1984
				3 740	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	0	0.001	0.005	0.004	---	1967
1968	0.005	0.008	0.005	0.024	0.089	0.089	0.016	0.003	0.002	0.002	---	0.005	0.025	1968
1969	0.002	---	0	0.131	0.058	0.011	0.003	0.002	0.004	0.003	---	0.005	0.028	1969
1970	---	---	0.002	0.154	0.082	0.014	0.003	0.001	0.001	0	---	---	0.033	1970
1971	---	---	0.001	0.028	0.019	0.223	0.147	0.005	0.002	0.004	---	---	0.053	1971
1972	---	---	0.008	0.258	0.106	0.080	0.020	0.007	0.005	0.008	---	---	0.059	1972
1973	---	---	0.003	0.154	0.117	0.134	0.021	0.005	0.013	0.023	---	---	0.058	1973
1974	---	---	0.003	0.412	0.240	0.008	0.001	0	0.001	0.001	---	---	0.083	1974
1975	---	---	---	0.032	0.054	0.021	0.011	0.003	0.005	0.007	---	---	---	1975
1976	---	---	---	---	0.044	---	---	---	---	---	0.010	---	---	1976
1977	---	---	0.002	0.287	0.219	0.051	0.178	0.015	---	---	---	---	---	1977
1978	---	---	---	---	0.117	0.098	0.008	0	0.024	0.018	---	---	---	1978
1979	---	---	---	---	0.378	0.340	0.044	0.002	0.001	0.001	---	---	---	1979
1980	---	---	---	0.048	0.018	0.072	0.023	0.002	0.012	0.007	---	---	---	1980
1981	---	---	---	0.144	---	0.008	0.007	0.001	0.003	0.002	---	---	---	1981
1982	---	---	---	0.005	0.088	0.002	0.023	0.077	0.003	0.002	---	---	---	1982
1983	---	---	---	0.014	0.015	0.205	---	0.005	0.002	0.007	---	---	---	1983
1984	---	---	---	0.058	0.284	0.082	0.010	0.010	0.028	0.031	---	---	---	1984
MEAN	0.004	0.008	0.003	0.125	0.122	0.089	0.034	0.009	0.007	0.007	0.008	0.005	0.048	MEAN

LOCATION - LAT 54 56 05 N, LONG 117 48 35 W DRAINAGE AREA, 18.8 km², NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

ROCKY CREEK NEAR VALLEYVIEW - STATION NO. 07GF006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1967	---	---	---	---	1967
1968	0.988 AT 01:10 MST ON JUL 14	0.354 ON JUN 14	0 ON AUG 18 *	---	1968
1969	---	0.4118 ON APR 29	0.001 ON AUG 28	808	1969
			0 ON MAR 1	558	
1970	0.484 AT 02:00 MST ON APR 22	0.450 ON APR 21	0 ON AUG 11	702	1970
1971	1.51 AT 01:00 MST ON JUN 27	1.08 ON JUN 27	0.0018E ON MAR 7	1 130	1971
1972	---	0.9088 ON APR 28	0.0038 ON MAR 1	1 240	1972
1973	0.908 AT 08:00 MST ON JUN 11	0.788 ON JUN 11	0.0018 ON MAR 21	1 240	1973
1974	1.48 AT 23:00 MST ON APR 23	1.27 ON APR 24	0 ON JUL 27	1 750	1974
1975	---	0.314 ON APR 28	0 A ON APR 2	---	1975
1976	---	1.48 ON JUN 8	---	---	1976
1977	---	1.89 ON APR 8	---	---	1977
1978	---	1.41 ON APR 28	---	---	1978
1979	1.95 AT 13:40 MST ON JUN 14	1.78 ON APR 29 *	0.001 ON AUG 15	---	1979
1980	0.278 AT 10:12 MST ON JUN 6	0.271 ON JUN 5	0 B ON APR 1	---	1980
1981	3.40 AT 13:50 MDT ON MAY 8 *	---	---	---	1981
1982	1.59 AT 02:33 MST ON AUG 3	0.720 ON AUG 4	0 ON JUN 24	---	1982
1983	---	---	---	---	1983
1984	2.32 A AT 02:30 MST ON MAY 17	1.50 E ON MAY 17	0 E ON AUG 28	---	1984
				1 030	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROCKY RIVER AT HAWES - STATION NO. 07AA003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	---	---	---	48.3	18.1	8.04	4.88	2.71	---	1913
1914	2.72	1.88	2.12	5.80	14.3	52.8	80.4	18.4	13.3	11.1	4.51	2.88	15.7	1914
1915	1.88	0.726	2.63	2.87	11.7	37.1	58.3	25.1	14.9	9.41	5.95	1.87	14.4	1915
1916	0.345	0.848	2.09	3.48	9.80	48.1	47.0	34.0	22.2	14.7	5.75	1.87	15.9	1916
1917	1.87	0.819	1.35	1.88	17.7	40.1	39.1	18.1	14.8	11.3	6.49	4.14	13.2	1917
1918	3.14	4.13	4.22	4.17	12.8	84.1	49.0	22.0	12.9	7.08	---	---	---	1918
1919	---	---	---	---	18.8	---	---	---	---	---	---	---	---	1919
MEAN	1.93	1.70	2.52	3.55	13.8	48.4	50.8	26.8	15.7	10.3	5.48	2.81	14.8	MEAN

LOCATION - LAT 53 04 25 N
LONG 117 58 48 W
DRAINAGE AREA, 1 140 km²
NATURAL FLOW

ROCKY RIVER AT HAWES - STATION NO. 07AA003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1913	---	---	---	---	1913
1914	---	150 ON JUL 9	1.50 B ON FEB 5	494 000	1914
1915	---	188 E ON JUN 27 *	0.1818 ON FEB 9	455 000	1915
1916	---	102 ON JUN 19	0.1708 ON JAN 26 *	502 000	1916
1917	---	88.5 ON JUL 3	0.8808 ON JAN 31	416 000	1917
1918	---	106 ON JUN 24	2.27 B ON JAN 30	---	1918
1919	---	---	---	---	1919
				467 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLLING HILLS CANAL NO 1 SPILL - STATION NO OSBN015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	0.199	0.085	0.491	0.334	0.362	0.114	---	---	0.265	1968
1969	---	---	---	---	0.302	0.332	0.358	0.249	0.158	0.152	---	---	0.258	1969
1970	---	---	---	---	0.112	0.205	0.132	0.228	0.251	0.170	---	---	0.183	1970
1971	---	---	---	---	0.207	0.157	0.175	0.314	0.484	0.159	---	---	0.249	1971
1972	---	---	---	---	0.386	0.640	0.634	0.424	0.409	0.210	---	---	0.450	1972
1973	---	---	---	---	0.452	0.327	0.249	0.448	0.167	0.044	---	---	0.281	1973
1974	---	---	---	---	0.024	0.252	0.391	0.645	0.348	0.081	---	---	0.273	1974
1975	---	---	---	---	0.038	0.221	0.536	0.513	0.328	0.646	---	---	0.382	1975
1976	---	---	---	---	0.344	0.679	0.421	0.646	0.339	0.407	---	---	0.472	1976
1977	---	---	---	---	0.591	0.869	0.310	0.145	0.261	0.318	---	---	0.381	1977
1978	---	---	---	---	0.228	0.530	0.589	0.443	0.184	0.157	---	---	0.355	1978
1979	---	---	---	---	0.335	0.537	0.449	0.327	0.889	0.128	---	---	0.409	1979
1980	---	---	---	---	0.578	0.388	0.358	0.388	0.315	0.181	---	---	0.364	1980
1981	---	---	---	---	0.999	0.770	0.931	0.881	0.469	0.263	---	---	0.720	1981
1982	---	---	---	---	0.352	0.592	1.30	0.627	0.826	0.190	---	---	0.648	1982
1983	---	---	---	---	0.586	0.989	1.12	1.38	1.18	0.618	---	---	0.971	1983
1984	---	---	---	---	0.617	1.09	0.989	0.984	0.281	0.200	---	---	0.883	1984
MEAN	---	---	---	---	0.372	0.498	0.554	0.532	0.402	0.237	---	---	0.432	MEAN

LOCATION - LAT 59 10 00 N
LONG 111 49 00 W
REGULATED

ROLLING HILLS CANAL NO 1 SPILL - STATION NO OSBN015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	2.15 ON SEP 18	0 ON MAY 2 *	4 210	1968
1969	---	1.18 ON SEP 19	0 E ON SEP 9	4 110	1969
1970	---	0.937 ON AUG 31	0 ON MAY 1	2 900	1970
1971	---	1.07 ON MAY 12	0 ON MAY 1	3 950	1971
1972	---	1.80 ON JUN 13	0.001 ON SEP 6	7 150	1972
1973	---	2.38 ON JUN 15	0 ON JUN 13	4 470	1973
1974	---	1.35 ON AUG 15	0 ON MAY 1	4 350	1974
1975	---	2.15 ON OCT 28	0 ON MAY 3	6 080	1975
1976	---	1.84 ON AUG 18	0 ON MAY 3	7 510	1976
1977	---	2.34 ON JUN 17	0.002 ON OCT 31	6 080	1977
1978	---	1.63 ON AUG 24	0 E ON OCT 29	5 640	1978
1979	---	1.79 ON MAY 27	0 ON OCT 28	6 500	1979
1980	---	1.58 ON JUN 21	0 ON OCT 19	5 780	1980
1981	---	2.35 A ON MAY 18	0 ON OCT 19	11 400	1981
1982	---	4.55 ON JUL 2 *	0 ON MAY 1	10 300	1982
1983	---	2.80 ON JUL 7	0 ON MAY 1	15 400	1983
1984	---	3.18 ON JUN 22	0 ON MAY 1	10 900	1984
				6 860	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLLING HILLS CANAL NO. 2 SPILL - STATION NO. 05BN019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	0.291	0.289	---	---	---	---	---	---	1968
1968	---	---	---	---	0.113	0.018	0.070	0.224	0.001	0.001	---	---	0.072	1968
1969	---	---	---	---	0.089	0.287	0.308	0.192	0.121	0.105	---	---	0.182	1969
1970	---	---	---	---	0.138	0.052	0.250	0.305	0.418	0.051	---	---	0.205	1970
1971	---	---	---	---	0.115	0.287	0.213	0.200	0	0.028	---	---	0.140	1971
1972	---	---	---	---	0.195	0.282	0.188	0.257	0.194	0.102	---	---	0.199	1972
1973	---	---	---	---	0.283	0.380	0.348	0.807	0.094	0	---	---	0.287	1973
1974	---	---	---	---	0.162	0.238	0.329	0.809	0.222	0.208	---	---	0.288	1974
1975	---	---	---	---	0.020	0.277	0.155	0.283	0.310	0.104	---	---	0.187	1975
1976	---	---	---	---	0.185	0.280	0.204	0.200	0.142	0.322	---	---	0.224	1976
1977	---	---	---	---	0.112	0.225	0.257	0.283	0.073	0.088	---	---	0.157	1977
1978	---	---	---	---	0.121	0.178	0.315	0.282	0.104	0.132	---	---	0.155	1978
1979	---	---	---	---	0.224	0.284	0.382	0.288	0.178	0.135	---	---	0.245	1979
1980	---	---	---	---	0.248	0.180	0.541	0.383	0.158	0.051	---	---	0.281	1980
1981	---	---	---	---	0.485	0.382	0.505	0.443	0.247	0.140	---	---	0.384	1981
1982	---	---	---	---	0.288	0.311	0.484	0.511	0.289	0.178	---	---	0.338	1982
1983	---	---	---	---	0.158	0.388	0.452	0.440	0.374	0.142	---	---	0.325	1983
1984	---	---	---	---	0.282	0.318	0.384	0.386	0.177	0.077	---	---	0.259	1984
MEAN	---	---	---	---	0.189	0.259	0.310	0.342	0.182	0.108	---	---	0.232	MEAN

LOCATION - LAT 50 08 58 N
LONG 111 41 04 W REGULATED

ROLLING HILLS CANAL NO. 2 SPILL - STATION NO. 05BN019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	---	---	---	1968
1968	---	1.26 ON AUG 11	0 ON MAY 1 *	1 140	1968
1969	---	0.753 ON JUL 3	0 ON MAY 1	2 890	1969
1970	---	0.753 ON SEP 1	0 ON MAY 1	3 280	1970
1971	---	1.00 ON JUN 1	0 ON MAY 1	2 230	1971
1972	---	0.888 ON AUG 31	0 ON MAY 1	3 170	1972
1973	---	1.18 ON AUG 8	0 ON MAY 1	4 570	1973
1974	---	1.12 ON AUG 12	0 ON OCT 21	4 740	1974
1975	---	1.38 ON JUN 17	0 ON OCT 28	2 970	1975
1976	---	1.05 ON OCT 19	0 ON MAY 3	3 580	1976
1977	---	0.558 ON JUL 31	0 ON MAY 14	2 650	1977
1978	---	0.855 ON JUL 30	0 ON SEP 28	2 950	1978
1979	---	0.716 ON JUL 4	0 ON MAY 2	3 890	1979
1980	---	1.18 ON JUL 23	0 ON MAY 1	4 180	1980
1981	---	1.83 ON JUN 14 *	0.001 ON MAY 21	5 790	1981
1982	---	1.10 ON MAY 8	0 ON MAY 1	5 380	1982
1983	---	1.04 ON AUG 14	0 ON MAY 4	5 170	1983
1984	---	1.05 ON MAY 6	0 ON MAY 1	4 120	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 880	MEAN

ROLPH CREEK AT VAUGHN RANCH - STATION NO. 05AE017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.281	0.141	0.187	0.043	0.012	---	---	---	1920
1921	---	---	---	0.338	0.256	0.135	0.099	0.078	0.018	0.018	---	---	---	1921
1922	---	---	---	0.459	0.260	0.131	0.148	0.090	0.080	0.051	---	---	---	1922
1923	---	---	---	---	0.157	0.374	0.189	0.137	0.068	0.045	---	---	---	1923
1924	---	---	0	0.237	0.108	0.348	0.084	0.189	0.075	0.029	---	---	0.130	1924
1925	---	---	0.118	1.00	0.433	0.154	0.225	0.201	0.108	0.159	---	---	0.298	1925
1926	---	---	---	---	0.077	0.109	0.127	0.070	0.178	0.038	---	---	---	1926
1927	---	---	---	---	---	---	0.338	0.368	0.500	0.344	---	---	---	1927
1928	---	---	---	---	---	0.484	0.682	0.383	0.200	0.181	---	---	---	1928
1929	---	---	---	---	0.498	0.488	0.211	0.123	0.098	0.105	---	---	---	1929
1930	---	---	---	---	0.318	0.177	0.178	0.155	0.138	0.081	---	---	---	1930
MEAN	---	---	0.080	0.508	0.263	0.285	0.220	0.174	0.138	0.093	---	---	0.214	MEAN

LOCATION - LAT 49 00 15 N DRAINAGE AREA, 88.5 km^2
LONG 113 08 20 W NATURAL FLOW

ROLPH CREEK AT VAUGHN RANCH - STATION NO. 05AE017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
1921	1.05 AT 13:30 MST ON APR 11	0.783 ON APR 11	0E ON JUL 22 *	---	1921
1922	---	1.18 B ON APR 29	---	---	1922
1923	---	1.45 ON JUN 22	---	---	1923
1924	1.87 AT 04:00 MST ON JUN 8	1.78 ON JUN 8	0B ON MAR 1	2 750	1924
1925	2.10 AT 10:00 MST ON APR 23 *	1.87 ON APR 13	0B ON MAR 1	5 320	1925
1926	---	0.232 ON JUL 13	---	---	1926
1927	---	2.41 ON SEP 14 *	---	---	1927
1928	---	2.18 ON JUL 1	---	---	1928
1929	---	1.41 ON JUN 3	---	---	1929
1930	---	0.830 ON APR 30	---	---	1930
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 540	MEAN

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	0.848	0.054	0.070	0.227	0.134	---	---	---	1911
1912	---	---	---	---	0.315	0.057	0.188	0.048	0.038	0.111	---	---	---	1912
1913	---	---	---	---	0.444	0.155	0.181	0.071	0.018	---	---	---	---	1913
1914	---	---	---	0.517	0.118	0.002	0.003	0.018	0.010	0.325	---	---	---	1914
1915	---	---	---	0.274	0.333	2.32	1.13	0.891	0.875	0.481	---	---	---	1915
1916	---	---	---	0.581	0.881	1.83	0.544	0.380	0.461	0.325	---	---	---	1916
1936	---	---	0.313	0.712	0.084	0.030	0	0.021	0.001	0.017	---	---	0.142	1936
1937	---	---	0.029	0.320	0.111	0.728	0.007	0.003	0.008	0.058	---	---	0.155	1937
1938	---	---	0.376	0.880	0.625	0.072	0.097	0.091	0.041	0.023	---	---	0.239	1938
1939	---	---	0.172	0.091	0.030	0.121	0.009	0	0.001	0.010	---	---	0.054	1939
1940	---	---	0.248	0.247	0.118	0.058	0.080	0.028	0.025	0.027	---	---	0.100	1940
1941	---	---	0.102	0.042	0.038	0.108	0.043	0.040	0.055	0.030	---	---	0.057	1941
1942	---	---	0.035	0.220	0.267	0.349	0.138	0.255	0.134	0.075	---	---	0.183	1942
1943	---	---	0.932	0.823	0.587	0.527	0.093	0.058	0.046	0.052	---	---	0.388	1943
1944	---	---	0.070	0.198	0.139	0.185	0.039	0.037	0.031	0.034	---	---	0.087	1944
1945	---	---	0.078	0.025	0.115	0.380	0.075	0.049	0.098	0.052	---	---	0.108	1945
1946	---	0.036	0.282	0.121	0.080	0.072	0.070	0.029	0.085	0.135	---	---	0.112	1946
1947	---	0.145	2.32	0.854	0.251	0.187	0.079	0.091	0.153	0.085	---	---	0.478	1947
1948	---	---	0.251	2.00	1.10	3.57	0.481	0.267	0.112	0.093	---	---	0.973	1948
1949	---	---	0.275	0.428	0.648	0.271	0.111	0.091	0.129	0.175	---	---	0.253	1949
1950	---	---	0.185	0.801	0.848	0.282	0.222	0.101	0.085	0.121	---	---	0.320	1950
1951	---	---	1.23	1.17	1.32	2.83	1.38	0.544	1.17	0.868	---	---	1.28	1951
1952	---	---	1.05	2.38	0.489	0.219	0.224	0.227	0.229	0.200	---	---	0.821	1952
1953	---	---	0.541	1.88	1.04	8.88	0.287	0.170	0.150	0.181	---	---	1.34	1953
1954	---	0.323	0.287	1.84	0.780	0.327	0.048	0.134	0.217	0.182	---	---	0.488	1954
1955	---	---	0.088	2.23	2.20	0.368	0.301	0.108	0.138	0.083	---	---	0.887	1955
1956	---	---	0.801	0.480	0.370	0.198	0.532	0.171	0.138	0.118	---	---	0.348	1956
1957	---	0.040	0.824	0.813	0.388	0.187	0.045	0.063	0.051	0.073	---	---	0.244	1957
1958	---	---	0.883	1.78	0.278	0.284	0.291	0.208	0.139	0.048	---	---	0.458	1958
1959	---	---	0.889	1.21	0.540	0.139	0.058	0.107	0.123	0.123	---	---	0.372	1959
1960	---	---	1.55	0.383	0.474	0.122	0.036	0.140	0.084	0.023	---	---	0.351	1960
1961	---	---	0.118	0.121	0.448	0.052	0.015	0.014	0.075	0.088	---	---	0.114	1961
1962	---	---	0.638	0.388	0.134	0.088	0.018	0.057	0.108	0.011	---	---	0.204	1962
1963	---	---	0.085	0.044	0.007	0.132	0.083	0.053	0.075	0.043	---	---	0.052	1963
1964	---	---	0.047	0.391	1.44	1.70	0.158	0.082	0.218	0.138	---	---	0.518	1964
1965	---	---	0.841	3.00	0.345	0.858	0.348	0.149	0.280	0.112	---	---	0.731	1965
1966	---	---	0.884	0.401	0.243	1.31	0.388	0.185	0.135	0.147	---	---	0.455	1966
1967	---	---	1.58	0.878	2.43	1.39	0.245	0.180	0.148	0.120	---	---	0.847	1967
1968	---	---	0.404	0.283	0.557	0.440	0.110	0.190	0.581	0.381	---	---	0.372	1968
1969	---	---	1.50	1.50	0.225	0.958	0.885	0.088	0.090	0.088	---	---	0.671	1969
1970	---	---	0.182	0.398	0.312	0.338	0.091	0.081	0.093	0.048	---	---	0.188	1970
1971	---	---	0.287	0.788	0.478	0.341	0.111	0.057	0.081	0.080	---	---	0.275	1971
1972	---	---	2.88	0.782	0.480	0.247	0.185	0.183	0.180	0.145	---	---	0.837	1972
1973	---	---	0.308	0.215	0.141	0.123	0.040	0.018	0.085	0.005	---	---	0.114	1973
1974	---	---	0.248	0.488	0.888	0.161	0.041	0.098	0.117	0.044	---	---	0.230	1974
1975	---	---	0	1.42	2.78	1.40	0.171	0.188	0.181	0.138	---	---	0.774	1975
1976	---	---	0.732	0.395	0.478	0.280	0.084	0.147	0.078	0.057	---	---	0.279	1976
1977	---	---	0.088	0.202	0.092	0.078	0.048	0.047	0.048	0.024	---	---	0.075	1977
1978	---	---	0.848	0.277	0.183	0.212	0.139	0.188	0.478	0.036	---	---	0.284	1978
1979	---	---	1.38	1.38	0.807	0.183	0.085	0.084	0.068	0.015	---	---	0.485	1979
1980	---	---	0.142	0.483	0.810	0.388	0.101	0.132	0.183	0.048	---	---	0.242	1980
1981	---	---	0.385	0.258	0.814	0.784	0.207	0.120	0.078	0.092	---	---	0.347	1981
1982	---	---	0.042	1.71	0.260	0.201	0.127	0.008	0	0.012	---	---	0.288	1982
1983	---	---	0.102	0.140	0.114	0.085	0.088	0.087	0.028	0.011	---	---	0.077	1983
1984	---	---	0.087	0.141	0.085	0.071	0.021	0.038	0.002	0.014	---	---	0.058	1984
MEAN	---	0.138	0.552	0.748	0.830	0.628	0.187	0.127	0.151	0.107	---	---	0.370	MEAN

LOCATION - LAT 49 07 30 N, LONG 113 08 30 W. DRAINAGE AREA, 221 km^2. NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1973

ROLPH CREEK NEAR KIMBALL - STATION NO. 05AE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	---	---	---	1912
1913	---	---	0 ON JUL 8 *	---	1913
1914	---	---	0 ON JUL 33	---	1914
			0 ON MAY 30	---	
1915	---	5.95 ON JUN 28	---	---	1915
1916	---	4.58 ON JUN 30	---	---	1916
1936	5.09 B ON APR 10	3.77 B ON APR 10	0 ON JUN 25	3 030	1936
1937	---	5.61 ON JUN 13	0 B ON MAR 1	3 280	1937
1938	3.86 B ON MAR 18	2.01 ON APR 10	0 ON SEP 29	5 070	1938
1939	0.8218 AT 07:00 MST ON MAR 22	0.6778 ON MAR 24	0 B ON MAR 1	1 140	1939
1940	1.47 B AT 21:00 MST ON MAR 28	1.30 B ON MAR 28	0 B ON MAR 1	2 110	1940
1941	---	0.3408 ON MAR 8	0.006 ON JUL 22	1 200	1941
1942	1.05 AT 07:00 MST ON JUN 8	1.04 ON JUN 8	0 B ON MAR 1	3 880	1942
1943	12.7 ON MAR 28	8.89 ON MAR 28	0.0288 ON MAR 4	8 230	1943
1944	0.535 AT 18:00 MST ON APR 3	0.498 ON APR 3	0 B ON MAR 1	1 650	1944
1945	---	0.678 ON JUN 8	0 B ON MAR 1	2 280	1945
1946	0.8838 AT 18:00 MST ON MAR 12	0.7388 ON MAR 12	0.006 ON AUG 9	2 370	1946
1947	---	7.08 B ON MAR 18	0 B ON MAR 5	10 100	1947
1948	28.6 AT 20:00 MST ON JUN 17	14.6 ON JUN 17	0.0288 ON MAR 1	20 800	1948
1949	1.84 AT 18:00 MST ON MAY 23	1.81 ON MAY 23	0 B ON MAR 1	5 380	1949
1950	---	3.43 B ON APR 1	0.0288 ON MAR 1	5 780	1950
1951	20.3 AT 18:00 MST ON JUN 24	12.9 ON JUN 24	0.0148 ON MAR 1	28 700	1951
1952	---	8.27 B ON MAR 30	0.014 ON MAR 1	13 200	1952
1953	38.5 AT 18:00 MST ON JUN 3 *	37.2 E ON JUN 9 *	0.0578 ON MAR 10	28 400	1953
1954	8.17 B AT 18:00 MST ON APR 6	4.98 B ON APR 6	0 B ON MAR 1	9 930	1954
1955	14.3 AT 18:00 MST ON MAY 19	12.5 ON MAY 20	0 B ON MAR 1	14 600	1955
1956	5.04 AT 18:00 MST ON JUL 3	3.57 ON JUL 4	0 B ON MAR 1	7 390	1956
1957	1.70 B AT 18:00 MST ON MAR 13	1.44 B ON MAR 13	0.011 ON SEP 25	5 180	1957
1958	8.63 B AT 23:00 MST ON APR 1	4.47 B ON APR 1	0.0288 ON MAR 17	8 720	1958
1959	7.70 B AT 08:00 MST ON MAR 26	4.53 B ON MAR 26	0.031 ON JUL 18	7 870	1959
1960	---	9.00 B ON MAR 20	0.017 ON OCT 9	7 440	1960
1961	---	1.67 ON MAY 11	0 ON JUL 2	2 410	1961
1962	---	2.62 B ON MAR 21	0 B ON MAR 1	4 330	1962
1963	---	0.804 ON JUN 25	0 ON MAY 21	1 320	1963
1964	17.8 AT 18:00 MST ON JUN 8	7.50 ON JUN 8	0.0088 ON MAR 1	11 000	1964
1965	---	6.55 B ON APR 5	0.0318 ON MAR 18	15 500	1965
1966	---	5.76 A ON JUN 5	0.0178 ON MAR 1	9 620	1966
1967	---	9.46 B ON MAR 23	0.078 ON AUG 26	17 900	1967
1968	3.48 AT 24:00 MST ON SEP 28	3.34 ON SEP 27	0.022 ON JUL 18	7 880	1968
1969	18.1 AT 22:30 MST ON MAR 31	9.00 ON APR 1	0.028 ON OCT 30	14 200	1969
1970	2.15 AT 14:33 MST ON JUN 17	1.80 ON JUN 17	0.021 ON OCT 4	4 000	1970
1971	---	2.36 B ON MAR 30	0.0218 ON OCT 28	5 620	1971
1972	13.3 AT 07:15 MST ON MAR 18	12.8 ON MAR 18	0 B ON MAR 1	13 500	1972
1973	---	0.5548 ON MAR 1	0 ON AUG 28	2 400	1973
1974	3.51 AT 05:25 MST ON MAY 1	2.63 ON MAY 1	0 ON AUG 4	4 870	1974
1975	15.4 AT 01:30 MST ON APR 29	10.1 ON APR 29	0 B ON MAR 1	15 400	1975
1976	10.8 B AT 23:30 MST ON MAR 17	4.05 B ON MAR 17	0.0378 ON MAR 7	5 900	1976
1977	1.50 B AT 17:55 MST ON APR 3	1.13 ON APR 3	0 ON JUL 24	1 580	1977
1978	---	5.21 B ON MAR 24	0 B ON MAR 1	8 220	1978
1979	4.80 AT 00:15 MST ON APR 10	3.84 B ON MAR 18	0 B ON MAR 1	10 500	1979
1980	5.55 AT 19:40 MST ON MAY 26	4.09 ON MAY 26	0.0218 ON MAR 5	5 140	1980
1981	9.33 AT 11:05 MST ON JUN 14	5.68 ON JUN 14	0.0308 ON MAR 19	7 340	1981
1982	---	3.50 B ON APR 14	0 B ON MAR 1	3 110	1982
1983	0.222 AT 23:10 MST ON APR 29	0.217 ON APR 30	0 ON SEP 28	1 630	1983
1984	---	0.2808 ON MAR 23	0 B ON MAR 2	1 190	1984
				7 850	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROLPH CREEK NEAR TAYLORVILLE - STATION NO. 05AE020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	---	---	---	---	0.283	0.305	0.090	0.180	---	---	1917
1918	---	---	---	---	0.180	0.136	0.179	0.235	0.188	0.032	---	---	---	1918
1919	---	---	---	0.200	0.251	0.084	0.027	0.059	0.021	0.037	---	---	---	1919
1920	---	---	---	0.884	1.03	0.182	0.055	0.108	0.068	0.015	---	---	---	1920
MEAN	---	---	---	0.597	0.480	0.131	0.087	0.171	0.140	0.044	0.180	---	---	MEAN

LOCATION - LAT 49 02 45 N, LONG 113 08 50 W
DRAINAGE AREA, 115 km^2
NATURAL FLOW

ROLPH CREEK NEAR TAYLORVILLE - STATION NO. 05AE020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	---	---	---	1917
1918	---	---	---	---	1918
1919	---	0.6518 ON APR 1	05 ON MAR 28 *	---	1919
1920	---	2.68 B ON APR 18 *	---	---	1920
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB903

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	1.15	1.10	1.39	0.012	0.005	0.001	---	---	---	1979
1980	---	---	---	1.75	---	---	0.172	0.131	0.042	---	---	---	---	1980
1981	---	---	---	0.531	0.138	0.038	0	0.001	0	0	---	---	0.100	1981
1982	---	---	---	2.81	0.536	0.020	0.138	0.020	0	0	---	---	0.511	1982
1983	---	---	0.001	0.548	0.003	0.308	0.588	0	0	0	---	---	0.205	1983
1984	---	---	---	0.089	0.183	0.892	0.037	0.002	0.002	0	---	---	0.189	1984
MEAN	---	---	0.001	1.18	0.408	0.471	0.387	0.028	0.008	0	---	---	0.246	MEAN

LOCATION - LAT 54 04 20 N
LONG 114 54 05 W
DRAINAGE AREA, 114 km²
NATURAL FLOW
DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

ROMEO CREEK ABOVE ROMEO LAKE - STATION NO. 07BB903

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	5.02 ON JUL 13	0 ON JUL 27 *	---	1979
1980	---	---	0 ON MAY 20	---	1980
1981	---	1.44 ON APR 1	0 ON JUN 30	1 850	1981
1982	15.0 AT 12:00 MST ON APR 24 *	15.8 ON APR 24 *	0B ON APR 1	8 460	1982
1983	2.32 AT 14:30 MST ON JUL 10	2.23 ON JUL 10	0 ON MAY 5	3 790	1983
1984	4.84 AT 18:14 MST ON JUN 8	4.41 ON JUN 8	0 ON JUL 22	3 120	1984
				4 550	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

RONALANE WASTEWAY NEAR HAYS - STATION NO. 05BN007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.454	0.920	0.841	0.502	0.575	1.32	---	---	0.735	1957
1958	---	---	---	---	0.300	1.01	1.38	1.14	0.801	1.12	---	---	0.927	1958
1959	---	---	---	---	0.522	1.41	0.563	0.962	1.05	0.773	---	---	0.877	1959
1960	---	---	---	---	0.316	0.518	1.05	1.07	2.30	0.870	---	---	1.03	1960
1961	---	---	---	---	0.707	1.48	0.837	0.611	0.578	0.467	---	---	0.776	1961
1962	---	---	---	---	0.577	1.12	0.818	0.902	1.00	0.858	---	---	0.844	1962
1963	---	---	---	---	0.638	0.782	0.589	1.02	0.807	0.409	---	---	0.725	1963
1964	---	---	---	---	0.218	1.19	1.19	1.44	0.854	0.826	---	---	0.819	1964
1965	---	---	---	---	0.015	1.36	0.831	0.852	1.00	0.873	---	---	0.852	1965
1966	---	---	---	---	0.082	1.57	2.09	2.14	1.94	1.35	---	---	1.53	1966
1967	---	---	---	---	0.093	1.21	0.856	1.68	1.06	0.302	---	---	0.877	1967
1968	---	---	---	---	0.938	1.28	1.03	0.983	0.944	0.377	---	---	0.918	1968
1969	---	---	---	---	0.312	1.02	0.450	1.05	1.10	0.458	---	---	0.728	1969
1970	---	---	---	---	0.559	0.991	1.23	0.777	0.958	0.471	---	---	0.829	1970
1971	---	---	---	0	0.250	0.854	0.630	0.587	0.402	0.281	0.023	---	0.489	1971
1972	---	---	---	---	0.448	0.871	0.611	0.444	0.857	0.578	---	---	0.632	1972
1973	---	---	---	---	0.834	1.19	0.858	0.704	0.178	0.177	---	---	0.674	1973
1974	---	---	---	---	0.329	0.896	0.812	0.894	0.887	0.430	0.078	---	0.641	1974
1975	---	---	---	---	0.372	1.24	1.35	1.58	1.05	0.844	---	---	1.04	1975
1976	---	---	---	---	0.887	0.884	1.03	0.939	0.855	0.428	0.117	---	0.784	1976
1977	---	---	---	---	0.513	0.513	0.734	0.678	0.811	0.702	0.501	---	0.658	1977
1978	---	---	---	---	0.003	0.438	0.510	0.591	1.05	2.51	---	---	0.853	1978
1979	---	---	---	---	0.088	1.10	0.722	0.581	0.285	0.152	---	---	0.482	1979
1980	---	---	---	---	0.488	0.548	0.478	0.880	0.378	0.298	0.088	---	0.480	1980
1981	---	---	---	---	0.381	1.14	0.675	0.749	0.838	0.707	---	---	0.714	1981
1982	---	---	---	---	0.785	1.35	0.904	1.11	0.895	1.58	0.387	---	1.07	1982
1983	---	---	---	---	0.934	0.788	1.27	0.983	0.551	0.255	---	---	0.794	1983
1984	---	---	---	---	0.182	0.415	0.255	0.288	0.277	0.087	---	---	0.241	1984
MEAN	---	---	---	0	0.435	0.894	0.885	0.924	0.824	0.681	0.194	---	0.780	MEAN

LOCATION - LAT 50 02 40 N
LONG 111 35 00 W
REGULATED

RONALANE WASTEWAY NEAR HAYS - STATION NO. 05BN007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	2.75 ON OCT 1	0 ON MAY 1 *	11 700	1957
1958	---	3.06 ON OCT 23	0 ON MAY 1	14 800	1958
1959	---	3.20 ON MAY 27	0 ON MAY 1	14 000	1959
1960	---	4.80 ON SEP 20	0 ON MAY 1	18 400	1960
1961	---	4.45 ON JUN 28	0 ON MAY 1	12 300	1961
1962	---	6.29 ON JUL 14 *	0 ON MAY 1	13 400	1962
1963	---	4.98 ON JUN 23	0 ON MAY 1	11 800	1963
1964	---	2.76 ON JUN 15	0 ON MAY 1	14 800	1964
1965	---	3.40 ON JUN 24	0 A ON MAY 7	13 800	1965
1966	---	3.34 ON JUL 31	0 ON MAY 1	24 300	1966
1967	---	3.85 ON AUG 2	0 E ON MAY 1	13 800	1967
1968	---	2.47 ON MAY 18	0 ON MAY 1	14 800	1968
1969	---	2.06 ON JUN 10	0 ON MAY 1	11 800	1969
1970	---	3.23 ON JUN 14	0 E ON MAY 1	13 200	1970
1971	---	1.85 ON JUN 13	0 ON MAY 1	7 830	1971
1972	---	1.70 ON MAY 24	0.048 ON AUG 25	10 100	1972
1973	---	2.65 ON JUN 16	0 ON MAY 1	10 700	1973
1974	---	1.97 ON JUL 4	0 ON MAY 3	10 200	1974
1975	---	2.92 ON JUL 10	0.098 ON MAY 18	18 500	1975
1976	---	2.38 ON JUL 18	0 ON MAY 1	12 200	1976
1977	---	1.99 ON OCT 27	0 ON MAY 1	10 500	1977
1978	---	3.26 ON OCT 23	0 ON MAY 5	13 500	1978
1979	---	1.98 ON MAY 31	0 ON MAY 1	7 850	1979
1980	---	1.31 ON MAY 25	0 ON MAY 1	7 820	1980
1981	---	2.72 ON JUN 18	0.031 ON MAY 1	11 400	1981
1982	---	3.52 ON OCT 26	0 ON MAY 1	17 000	1982
1983	---	3.59 ON MAY 27	0 ON MAY 1	12 800	1983
1984	---	1.55 ON JUN 23	0 ON MAY 1	3 840	1984
				12 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSE CREEK NEAR ALDER FLATS - STATION NO. 05DE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	0.268	2.89	2.01	8.81	1.37	0.398	0.228	0.833	---	---	1.79	1972
1973	---	---	0.184	9.46	5.19	1.38	2.00	2.49	0.486	0.487	---	---	2.69	1973
1974	---	---	0.181	14.8	11.8	2.39	4.46	0.436	0.448	0.287	---	---	4.32	1974
1975	---	---	0.136	1.95	1.82	1.02	0.802	0.173	0.284	0.100	---	---	0.785	1975
1976	---	---	0.180	1.33	0.438	0.486	0.611	3.52	0.599	0.281	---	---	0.831	1976
1977	---	---	0.158	1.62	14.2	2.99	0.462	0.788	1.99	0.872	---	---	2.89	1977
1978	---	---	0.643	3.81	8.02	5.82	0.859	0.205	1.04	0.580	---	---	2.34	1978
1979	---	---	0.287	2.25	1.45	0.874	1.09	0.428	0.178	0.288	---	---	0.854	1979
1980	---	---	0.117	6.25	8.18	23.2	9.30	2.73	5.49	1.81	---	---	6.80	1980
1981	---	---	0.954	1.85	11.3	3.41	7.22	2.18	0.152	0.315	---	---	3.41	1981
1982	---	---	0.119	3.23	3.11	1.27	15.0	0.944	0.802	2.38	---	---	3.50	1982
1983	---	---	0.708	4.84	3.28	1.01	4.01	0.207	0.088	0.172	---	---	1.78	1983
1984	---	---	0.487	0.888	2.33	2.04	0.113	0.033	0.738	0.501	---	---	0.883	1984
MEAN	---	---	0.338	4.17	5.33	4.07	3.70	1.12	0.984	0.855	---	---	2.53	MEAN

LOCATION - LAT 52 55 48 N LONG 115 00 36 W DRAINAGE AREA, 551 km^2 NATURAL FLOW

ROSE CREEK NEAR ALDER FLATS - STATION NO. 05DE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	50.4 ON JUN 28	0.0428 ON MAR 1	38 000	1972
1973	---	18.8 ON APR 30	0.1278 ON MAR 14	57 000	1973
1974	---	39.9 ON APR 28	0.1138 ON MAR 13	81 400	1974
1975	---	9.098 ON APR 23	0.059 ON OCT 8	18 800	1975
1976	---	13.3 ON AUG 10	0.0888 ON APR 3	19 700	1976
1977	---	41.9 ON MAY 29	0.1508 ON MAR 9	81 100	1977
1978	---	22.1 ON MAY 31	0.0988 ON MAR 1	49 800	1978
1979	---	7.848 ON APR 28	0.0888 ON MAR 1	18 100	1979
1980	---	108 ON JUN 5 *	0.0888 ON MAR 1	144 000	1980
1981	71.8 AT 03:15 MST ON MAY 8	84.9 ON MAY 8	0.077 ON SEP 19	72 300	1981
1982	108 AT 22:00 MST ON JUL 5 *	97.0 ON JUL 5	0.0888 ON MAR 17	74 100	1982
1983	30.8 AT 20:30 MST ON APR 28	22.0 ON APR 28	0.088 ON SEP 7	37 300	1983
1984	8.74 AT 22:00 MST ON JUN 9	8.11 ON JUN 10	0.018 ON AUG 28 *	18 300	1984
				83 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER AT BEYNON - STATION NO. 05CE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1922	---	---	---	5.27	2.56	4.97	8.34	7.61	5.38	1.85	---	---	---	1922
1923	---	---	0.676	1.37	2.47	8.01	2.90	2.47	1.90	0.593	---	---	2.29	1923
1924	---	---	0.223	1.71	2.17	3.75	2.37	3.70	2.34	2.10	---	---	2.29	1924
1925	---	---	10.1	15.2	3.35	4.00	2.42	2.48	3.82	1.88	---	---	5.45	1925
1926	---	---	5.82	1.28	2.28	5.47	3.21	3.82	5.54	1.69	---	---	3.60	1926
1927	---	---	13.5	8.69	2.08	2.32	3.45	2.36	3.80	1.57	---	---	4.75	1927
1928	---	---	14.1	3.16	2.45	10.1	3.92	1.88	2.81	0.813	---	---	4.90	1928
1929	---	---	0.312	0.728	2.24	2.39	3.86	4.96	2.26	1.70	---	---	2.31	1929
1930	---	2.83	1.76	1.10	1.72	5.34	4.81	4.85	4.98	5.10	---	---	3.71	1930
1931	---	---	0.252	0.548	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	3.12	1.15	---	---	---	1935
1936	---	---	11.4	---	1.37	1.58	2.48	2.15	2.33	1.01	---	---	---	1936
MEAN	---	2.83	5.78	4.02	2.27	4.59	3.78	3.63	3.46	1.75	---	---	3.66	MEAN

LOCATION - LAT 51 20 00 N DRAINAGE AREA, 3 990 km²
LONG 112 46 55 W REGULATED

ROSEBUD RIVER AT BEYNON - STATION NO. 05CE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1922	---	13.0 ON APR 24	---	---	1922
1923	---	44.7 ON JUN 1	0.1708 ON OCT 30	48 500	1923
1924	---	6.14 ON AUG 3	0.0288 ON MAR 8	48 500	1924
1925	---	80.7 B ON MAR 28 *	0 B ON MAR 1 *	115 000	1925
1926	---	13.1 B ON MAR 4	0.0598 ON APR 4	76 400	1926
1927	---	49.6 B ON MAR 27	0 B ON MAR 1	101 000	1927
1928	---	67.1 B ON MAR 20	0 B ON MAR 1	104 000	1928
1929	---	8.88 ON JUL 14	0.0288 ON MAR 1	49 000	1929
1930	---	14.9 ON JUN 24	0.1338 ON MAR 8	78 500	1930
1931	---	---	0 B ON MAR 1	---	1931
1935	---	---	---	---	1935
1936	---	40.5 B ON MAR 8	0 B ON MAR 1	---	1936
				77 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	---	3.49	1.54	5.10	1.80	---	---	---	1951
1952	---	---	---	---	3.49	5.60	3.16	1.22	1.45	1.24	---	---	---	1952
1953	---	---	---	---	3.63	7.10	4.14	1.72	2.11	0.839	---	---	---	1953
1954	---	---	---	---	5.73	4.60	2.25	9.59	9.29	2.92	---	---	---	1954
1955	---	---	---	---	8.78	3.22	3.70	2.08	2.32	1.10	---	---	---	1955
1956	---	---	---	---	1.81	3.02	2.88	2.75	2.14	0.898	---	---	---	1956
1957	---	---	---	---	1.62	2.79	2.29	2.95	1.68	1.03	---	---	---	1957
1958	---	---	---	---	1.81	2.63	2.35	1.08	1.81	0.818	---	---	---	1958
1959	---	---	---	---	1.49	3.02	1.88	2.42	2.35	0.715	---	---	---	1959
1960	---	---	---	---	2.29	2.26	1.86	1.80	1.31	0.853	---	---	---	1960
1961	---	---	---	---	2.48	1.66	0.905	1.86	1.39	0.760	---	---	---	1961
1962	---	---	---	---	1.64	2.22	3.01	1.94	2.18	0.583	---	---	---	1962
1963	---	---	---	---	0.987	1.87	1.28	1.20	1.28	0.885	---	---	---	1963
1964	---	---	---	---	1.18	2.41	1.32	1.08	1.83	0.996	---	---	---	1964
1965	---	---	---	---	1.80	3.80	6.07	2.32	3.56	1.81	---	---	---	1965
1966	---	---	---	---	3.01	4.17	6.88	1.89	0.967	0.765	---	---	---	1966
1967	---	---	0.268	28.4	8.67	2.67	1.81	1.32	1.51	1.05	---	---	5.38	1967
1968	---	---	---	---	1.83	2.58	2.52	2.72	2.88	1.79	---	---	---	1968
1969	---	---	---	---	2.30	1.82	2.50	1.35	2.12	1.30	---	---	---	1969
1970	---	---	1.80	2.02	1.02	5.33	3.37	1.84	2.37	1.76	---	---	2.44	1970
1971	---	---	4.05	41.5	3.13	3.30	1.79	1.91	2.15	0.983	---	---	7.25	1971
1972	---	---	5.48	2.20	1.48	2.52	2.19	1.38	2.21	1.05	---	---	2.44	1972
1973	---	---	5.01	5.19	2.82	3.13	1.83	1.92	2.89	---	---	---	---	1973
1974	---	---	0.181	24.0	5.12	2.25	1.83	1.90	1.94	1.10	---	---	5.12	1974
1975	---	---	0	3.87	2.98	2.43	1.83	2.27	2.06	1.16	---	---	2.07	1975
1976	---	---	2.55	1.82	1.31	2.50	2.07	4.23	3.74	0.916	---	---	2.39	1976
1977	---	---	0.219	0.382	1.98	1.85	0.736	1.24	1.45	0.823	---	---	1.08	1977
1978	---	---	4.90	5.07	2.10	2.58	0.943	3.33	3.74	1.39	---	---	3.12	1978
1979	---	---	2.27	1.85	0.872	1.41	1.71	2.82	1.98	1.00	---	---	1.71	1979
1980	---	---	0.004	5.38	1.98	3.43	2.47	2.93	2.07	0.781	---	---	2.73	1980
1981	---	---	0.778	0.880	3.27	1.81	2.96	1.88	1.76	1.55	---	---	1.82	1981
1982	---	---	1.77	5.00	1.37	2.21	2.76	2.12	2.76	1.75	---	---	2.46	1982
1983	---	---	0.705	1.41	1.43	1.88	2.80	2.05	2.73	1.19	---	---	1.75	1983
1984	---	---	0.787	0.863	1.38	2.81	1.87	3.44	3.52	1.24	0.190	---	1.93	1984
MEAN	---	---	2.18	5.40	2.71	3.82	2.50	2.28	2.49	1.17	0.190	---	2.91	MEAN

LOCATION - LAT 51 17 35 N DRAINAGE AREA, 3 580 km²
LONG 113 00 10 W REGULATED

ROSEBUD RIVER AT REDLAND - STATION NO. 05CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	---	---	---	1952
1953	---	---	---	---	1953
1954	---	---	---	---	1954
1955	---	---	---	---	1955
1956	---	---	---	---	1956
1957	---	---	---	---	1957
1958	---	---	---	---	1958
1959	---	---	---	---	1959
1960	---	---	---	---	1960
1961	---	---	---	---	1961
1962	---	---	---	---	1962
1963	---	---	---	---	1963
1964	---	---	---	---	1964
1965	---	---	---	---	1965
1966	---	---	0 ON MAR 10 *	---	1966
1967	---	48.1 ON APR 14	0.0288 ON MAR 1	114 000	1967
1968	---	---	---	---	1968
1969	---	---	---	---	1969
1970	---	16.5 ON JUN 20	0 B ON MAR 1	51 700	1970
1971	---	177 ON APR 9 *	0.0288 ON MAR 1	154 000	1971
1972	---	26.3 B ON MAR 23	0.1428 ON MAR 1	51 500	1972
1973	---	33.1 B ON MAR 26	---	---	1973
1974	---	79.3 ON APR 13	0.1428 ON MAR 1	108 000	1974
1975	---	12.0 B ON APR 22	0 B ON MAR 1	43 700	1975
1976	---	9.718 ON MAR 25	0.0828 ON MAR 1	50 500	1976
1977	---	4.59 ON JUN 1	0.1028 ON MAR 3	22 800	1977
1978	---	32.6 B ON MAR 30	0.0178 ON MAR 1	88 000	1978
1979	---	8.158 ON MAR 11	0 B ON MAR 1	36 200	1979
1980	---	38.1 B ON APR 12	0 B ON MAR 1	57 500	1980
1981	---	5.85 ON MAY 16	0.092 ON APR 28	38 500	1981
1982	---	11.4 B ON APR 14	0 B ON MAR 1	52 100	1982
1983	---	4.02 ON APR 1	0.0508 ON MAR 7	37 100	1983
1984	---	5.78 ON JUN 11	0.1058 ON MAR 4	40 800	1984
				81 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	0.188	0.109	0.024	0.001	0	0.009	---	---	---	1957
1958	---	---	---	---	0.133	0.048	0.007	0	0	0	---	---	---	1958
1959	---	---	0.440	0.080	0.078	0.040	0.057	0.040	0.021	---	---	---	0.099	1959
1960	---	---	5.38	1.15	0.230	0.038	0.025	0.053	0	0	---	---	0.988	1960
1961	---	---	0.888	0.127	0.090	0.002	0.018	0	0	0	---	---	0.138	1961
1962	---	---	0.787	0.080	0.021	0.008	0	0	0	0	---	---	0.113	1962
1963	---	---	1.07	0.248	0.048	0	0.040	0	0	0	---	---	0.177	1963
1964	---	---	0	0.183	0.187	0.158	0.104	0	0	0.014	---	---	0.078	1964
1965	---	---	2.41	3.13	0.121	0.255	0.774	0.281	0.507	0.280	---	---	0.889	1965
1966	---	---	4.19	0.882	0.837	0.484	1.43	0.138	0.028	0.049	---	---	0.884	1966
1967	---	---	1.23	7.95	2.25	0.844	0.170	0.032	0.004	0	---	---	1.51	1967
1968	---	---	0.335	0.186	0.171	0.190	0.081	0.030	0.030	0.058	---	---	0.132	1968
1969	---	---	0.894	8.27	0.301	0.040	0.228	0.018	0.035	0.030	---	---	1.21	1969
1970	---	---	0.843	0.381	0.155	1.88	0.724	0.030	0.028	0.052	---	---	0.681	1970
1971	---	---	2.52	10.8	0.287	0.812	0.084	0.003	0.005	0.004	---	---	1.79	1971
1972	---	---	1.80	0.291	0.058	0.158	0.088	0.003	0.015	0.035	---	---	0.282	1972
1973	---	---	2.41	3.95	0.455	0.198	0.190	0.012	0.015	0.004	---	---	0.898	1973
1974	---	---	0	7.22	2.84	0.421	0.088	0.012	0.009	0.008	---	---	1.28	1974
1975	---	---	0.001	1.21	0.881	0.097	0.014	0	0	0	---	---	0.238	1975
1976	---	---	0.407	0.131	0.033	0.028	0.001	0.011	0.004	0	---	---	0.077	1976
1977	---	---	0.004	0.041	0.055	0.043	0	0	0	0	---	---	0.018	1977
1978	---	---	1.25	1.08	0.123	0.208	0.005	0.053	0.097	0.027	---	---	0.355	1978
1979	---	---	0.848	0.398	0.185	0.028	0.007	0.001	0	0	---	---	0.183	1979
1980	---	---	0.188	0.848	0.087	0.488	0.144	0.028	0.003	0	---	---	0.214	1980
1981	---	---	0.117	0.101	0.882	0.145	0.350	0.098	0.001	0.002	---	---	0.188	1981
1982	---	---	0.224	1.13	0.198	0.124	0.182	0.018	0	0.003	---	---	0.234	1982
1983	---	---	0.078	0.188	0.102	0.057	0.024	0	0	0	---	---	0.058	1983
1984	---	---	0.070	0.023	0.070	0.009	0	0	0	0	---	---	0.022	1984
MEAN	---	---	1.11	1.92	0.383	0.238	0.174	0.032	0.028	0.022	---	---	0.488	MEAN

LOCATION - LAT 51 25 00 N
LONG 113 43 35 W

DRAINAGE AREA, 753 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1983

ROSEBUD RIVER BELOW CARSTAIRS CREEK - STATION NO. 05CE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1957	---	---	0 ON JUL 14 *	---	1957
1958	---	---	0 E ON JUN 22	---	1958
1959	---	1.08 B ON MAR 1	0 ON JUN 8	2 100	1959
1960	---	26.7 B ON MAR 20	0 B ON MAR 1	20 800	1960
1961	---	5.21 B ON MAR 20	0 B ON MAR 1	2 940	1961
1962	---	4.58 B ON MAR 18	0 B ON MAR 1	2 390	1962
1963	---	3.08 B ON MAR 24	0 ON MAY 22	1 750	1963
1964	0.988 AT 09:00 MST ON MAY 8	0.900 ON MAY 8	0 B ON MAR 1	1 670	1964
1965	---	10.8 B ON APR 7	0.017 ON AUG 23	20 500	1965
1966	---	12.1 A ON MAR 15	0 B ON MAR 1	20 800	1966
1967	---	15.8 B ON APR 8	0 B ON MAR 2	31 800	1967
1968	---	0.8778 ON MAR 7	0 ON JUL 8	2 800	1968
1969	---	41.3 ON APR 2 *	0 B ON MAR 1	25 500	1969
1970	13.9 AT 23:35 MST ON JUN 17	11.9 ON JUN 17	0 B ON MAR 1	10 200	1970
1971	40.5 AT 02:30 MST ON APR 7 *	36.5 B ON APR 8	0 ON AUG 13	37 800	1971
1972	---	7.67 B ON MAR 18	0 B ON MAR 1	5 870	1972
1973	10.6 B AT 15:20 MST ON APR 5	10.0 B ON APR 5	0 ON AUG 20	18 000	1973
1974	24.2 B AT 05:40 MST ON APR 18	21.5 B ON APR 18	0 B ON MAR 1	27 100	1974
1975	3.14 B AT 00:00 MST ON APR 20	2.83 B ON APR 19	0 B ON MAR 1	5 000	1975
1976	3.03 B AT 11:25 MST ON MAR 19	2.74 B ON MAR 19	0 ON JUL 8	1 840	1976
1977	0.286 AT 13:00 MST ON JUN 4	0.238 ON JUN 4	0 B ON MAR 1	374	1977
1978	8.78 AT 24:00 MST ON MAR 30	8.04 ON MAR 31	0 B ON MAR 1	7 520	1978
1979	2.72 B AT 09:30 MST ON MAR 13	2.38 B ON MAR 13	0 B ON MAR 1	3 880	1979
1980	3.55 AT 03:30 MST ON JUN 17	2.10 B ON MAR 30	0 B ON MAR 1	4 540	1980
1981	2.82 AT 05:50 MST ON MAY 10	2.50 ON MAY 10	0 ON AUG 28	3 990	1981
1982	---	3.71 E ON APR 13	0 B ON MAR 1	4 950	1982
1983	1.02 AT 17:42 MST ON APR 27	0.687 ON APR 28	0 B ON MAR 1	1 180	1983
1984	0.8828 AT 21:44 MST ON MAR 22	0.4118 ON MAR 23	0 B ON MAR 1	455	1984
				10 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSEBUD RIVER NEAR CROSSFIELD - STATION NO. 05CE004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	0.016	0.013	0.003	0.089	---	---	---	---	---	1926
MEAN	---	---	---	---	0.016	0.013	0.003	0.089	---	---	---	---	---	MEAN

LOCATION - LAT 51 28 30 N, LONG 113 48 15 W
DRAINAGE AREA, 471 km^2
NATURAL FLOW

ROSEBUD RIVER NEAR CROSSFIELD - STATION NO. 05CE004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	0 ON JUN 3 *	---	1926
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ROSS CREEK AT KOENIG'S RANCH - STATION NO. 05AH038

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	0.128	0.058	0.157	0.148	0.088	---	---	---	1912
1913	---	---	---	1.32	0.171	0.058	0.048	0.032	0.019	0.112	---	---	---	1913
1914	---	---	---	0.275	---	0.055	0.001	0.008	0.030	0.118	---	---	---	1914
MEAN	---	---	---	0.798	0.171	0.081	0.035	0.065	0.065	0.098	---	---	---	MEAN

LOCATION - LAT 49 48 35 N, LONG 110 17 10 W
DRAINAGE AREA, 89.1 km^2
NATURAL FLOW

ROSS CREEK AT KOENIG'S RANCH - STATION NO. 05AH038

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	---	---	---	1913
1914	---	1.59 ON APR 8 *	0 ON APR 10 *	---	1914
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH048

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0.088R	---	---	---	1980
1981	---	0	0	0	0	0	0	0	0	0.138	---	---	0.018	1981
1982	---	0	0	0	0.005	---	---	0	0	0	---	---	---	1982
1983	---	0	0.032	0.057	0.223	0.089	0.078	0	0	0.111	---	---	0.074	1983
1984	---	0	0	0	0	0	0	0	0	0.124	---	---	0.018	1984
MEAN	---	0	0.008	0.014	0.057	0.030	0.025	0	0	0.088R	---	---	0.038	MEAN

LOCATION - LAT 49 40 42 N
LONG 110 17 42 W
DRAINAGE AREA, 30.0 km²
REGULATED

R - REVISED SINCE JAN 1980

ROSS CREEK AT OUTLET OF ELKWATER LAKE - STATION NO. 05AH048

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	---	---	1980
1981	2.48 AT 12:30 MST ON OCT 13 *	0.754 ON OCT 14 *	0B ON MAR 1 *	371	1981
1982	---	---	0B ON MAR 1	---	1982
1983	0.879 AT 10:37 MST ON OCT 13	0.727 ON OCT 14	0B ON MAR 1	1 880	1983
1984	0.661 AT 12:30 MST ON OCT 9	0.529 ON OCT 10	0B ON MAR 1	333	1984
				755	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH049

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0	0	0	0	0	0	0	---	---	0	1981
1982	---	0	0.161	0.111	0.145	0.180	0.014	0	0	0	---	---	0.078	1982
1983	---	0.002	0.004	0.035	0.100	0.035	0.147	0.003	0	0	---	---	0.041	1983
MEAN	---	0.001	0.055	0.049	0.082	0.072	0.054	0.001	0	0	---	---	0.039	MEAN

LOCATION - LAT 49 57 15 N
LONG 110 20 24 W
REGULATED

ROSS CREEK DIVERSION CANAL NEAR IRVINE - STATION NO. 05AH049

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	---	0 ON MAR 1	0 ON MAR 1 *	0	1981
1982	---	0.974A ON MAR 30 *	0B ON MAR 1	1 810	1982
1983	---	0.394 ON JUL 23	0B ON MAR 3	863	1983
				824	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	0.004	0.001	---	---	---	---	---	---	1910
1911	---	---	---	0.918	0.240	0.072	0.372	0.027	0.810	0.118	---	---	---	1911
1912	---	---	---	---	0.335	0.289	0.012	0.102	0.212	0.043	---	---	---	1912
1913	---	---	---	2.36	0.355	0.038	0.054	0.015	0.001	0.001	---	---	---	1913
1914	---	---	0.792	1.20	0.202	0.004	0	0	0	0.282	---	---	0.305	1914
1915	---	---	---	1.30	0.488	1.48	0.530	0.337	0.011	0.024	---	---	---	1915
1916	---	---	2.80	0.333	1.08	4.89	2.67	0.618	0.155	0.214	---	---	1.84	1916
1917	---	---	---	10.3	3.54	0.187	0.001	0	0	0	---	---	---	1917
1918	---	---	---	1.36	0.158	0.015	0	0	0	0	---	---	---	1918
1919	---	---	0	0.297	0.015	0	0	0	0	0	---	---	0.038	1919
1920	---	0.008	2.11	1.51	0.357	0.028	0.022	---	---	---	---	---	---	1920
1921	---	0.810	0.804	2.41	0.513	0.030	0.004	0	0	0	---	---	0.515	1921
1922	---	---	1.84	7.89	1.18	0.084	0.001	---	---	---	---	---	---	1922
1923	---	0	0.483	1.07	0.023	1.30	0.026	0	0	0	---	---	0.358	1923
1924	---	0	0	0.272	0.010	0.017	0.001	0.001	0	0	---	---	0.037	1924
1925	---	0.123	3.58	1.77	0.152	0.058	0	0	0.001	0.006	---	---	0.898	1925
1926	---	0.124	0.735	0.302	0.013	0	0	0	0	0	---	---	0.132	1926
1927	---	0	0.583	2.46	4.51	1.21	0.561	0.137	0.004	0.105	---	---	1.20	1927
1928	---	0.084	3.23	0.845	0.087	0.848	0.533	0.020	0	0	---	---	0.860	1928
1929	---	0	1.88	1.78	0.702	0.080	0	0	0	0	---	---	0.551	1929
1930	---	1.89	0.186	0.575	0.033	0.025	0	0	0.008	0.002	---	---	0.100	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	2.42	0.333	0.021	0.037	---	---	---	---	---	---	1935
1936	---	---	1.82	3.86	0.084	0.003	0	0	0	0	---	---	0.722	1936
1937	---	---	0.008	0.571	0.001	0	0	0	0	0	---	---	0.071	1937
1938	---	---	1.25	2.18	0.383	0.018	---	---	---	---	---	---	---	1938
1939	---	---	3.26	0.247	0.002	0.583	---	---	---	---	---	---	---	1939
1940	---	---	1.88	4.34	0.432	0.041	---	---	---	---	---	---	---	1940
1941	---	0.014	1.35	0.028	0	0.118	---	---	---	---	---	---	---	1941
1942	---	---	0.006	0.473	0	0.880	---	---	---	---	---	---	---	1942
1943	---	2.09	4.10	0.830	0.073	0	---	---	---	---	---	---	---	1943
1944	---	---	0.002	0.031	0	0	---	---	---	---	---	---	---	1944
1945	---	---	0.859	0.001	0	0	---	---	---	---	---	---	---	1945
1946	---	0.288	2.08	0.228	---	0	---	---	---	---	---	---	---	1946
1947	---	---	5.60	1.78	0.122	0.048	---	---	---	---	---	---	---	1947
1948	---	---	2.93	5.07	0.541	0.003	---	---	---	---	---	---	---	1948
1949	---	---	0.445	0.088	0	0	---	---	---	---	---	---	---	1949
1950	---	---	0.598	0.717	0.015	0	---	---	---	---	---	---	---	1950
1951	---	---	4.32	5.07	0.901	0.404	---	---	---	---	---	---	---	1951
1952	---	---	3.84	8.59	0.363	0.020	---	---	---	---	---	---	---	1952
1953	---	---	2.33	2.40	1.58	5.14	---	---	---	---	---	---	---	1953
1954	---	0.005	0.012	1.85	0.443	0.585	---	---	---	---	---	---	---	1954
1955	---	---	1.58	10.3	3.92	0.487	---	---	---	---	---	---	---	1955
1956	---	---	2.18	0.842	0.371	0.073	---	---	---	---	---	---	---	1956
1957	---	0.873	1.57	3.40	0.740	0.033	---	---	---	---	---	---	---	1957
1958	---	---	0.844	0.537	0.107	0	---	---	---	---	---	---	---	1958
1959	---	---	1.31	0.393	0.115	0	---	---	---	---	---	---	---	1959
1960	---	---	1.78	0.510	1.10	0.028	0	0	0	0	---	---	0.428	1960
1961	---	---	0	0	0	0	0	0	0	0	---	---	0	1961
1962	---	---	0.648	0.008	0	0	0	0	0	0	---	---	0.070	1962
1963	---	---	0.271	0.031	0	0.005	0.179	0	0	0	---	---	0.081	1963
1964	---	---	0.083	0.285	1.87	0.058	0	0	0	0	---	---	0.284	1964
1965	---	---	0.410	3.93	0.202	1.03	1.14	0.003	0.028	0.081	---	---	0.844	1965
1966	---	---	2.42	0.888	0.070	0.541	0.142	0.024	0	0.003	---	---	0.486	1966
1967	---	---	3.36	2.30	8.87	0.238	0.003	0.008	0.007	0	---	---	1.58	1967
1968	---	---	0.237	0.137	0.117	0.001	0.088	0	0	0	---	---	0.070	1968
1969	---	---	2.43	1.12	0.080	0.001	0.001	0	0.002	0	---	---	0.452	1969
1970	---	---	0.374	1.06	0.328	0.261	0.114	0	0	0	---	---	0.286	1970
1971	---	2.89	0.865	1.80	0.234	0.348	0.031	0	0	0	---	---	0.379	1971
1972	---	---	2.04	0.078	0.070	0.003	0	0.001	0	0	---	---	0.278	1972
1973	---	0.030	0.203	0.113	0.025	0.582	0	0	0	0	---	---	0.114	1973
1974	---	---	1.42	0.512	0.547	0.118	0	0	0	0	---	---	0.328	1974
1975	---	---	0	2.05	5.32	1.80	0.078	0.008	0	0	---	---	1.15	1975
1976	---	---	0.820	0.808	0.155	0.211	0.034	0	0	0	---	---	0.203	1976
1977	---	---	0	0.008	0	0	0	0	0	0	---	---	0.001	1977
1978	---	---	1.10	0.327	0.147	0.057	0	0	0.005	0	---	---	0.205	1978
1979	---	---	2.74	1.57	0.693	0.072	0.004	0	0	0	---	---	0.835	1979
1980	---	---	0.042	0.037	0	0	0	0	0	0	---	---	0.010	1980
1981	---	0.140	0	0	0	0.088	0	0	0	0	---	---	0.011	1981
1982	---	0.378	0.780	1.88	0.288	1.74	0.118	0	0	0	---	---	0.587	1982
1983	---	0.171	0.128	0.133	0.552	0.036	0.048	0	0	0	---	---	0.112	1983
1984	---	0	0.008	0.018	0	0	0	0	0	0	---	---	0.003	1984
MEAN	---	0.423	1.33	1.84	0.818	0.383	0.138	0.028	0.021	0.018	---	---	0.398	MEAN

LOCATION - LAT 49 58 27 N DRAINAGE AREA, 824 km²
LONG 110 22 00 W REGULATED

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930, 1957, 1963 AND 1971

ROSS CREEK NEAR IRVINE - STATION NO. 05AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON JUL 31 *	---	1910
1911	---	5.01 ON MAR 18	0 ON MAR 5	---	1911
1912	---	---	---	---	1912
1913	---	8.81 ON APR 4	0 ON JUL 12	---	1913
1914	---	9.37 ON APR 1	0 ON JUN 1	8 480	1914
1915	---	8.83 ON MAR 18	0 ON MAR 11	---	1915
1916	---	21.3 ON MAR 11	0.059 ON SEP 24	32 700	1916
1917	---	20.7 ON APR 8	0 ON JUL 3	---	1917
1918	---	23.9 ON MAR 23	0 ON JUL 7	---	1918
1919	---	2.55 ON APR 19	0 ON MAR 1	811	1919
1920	28.7 AT 12:00 MST ON MAR 22	20.3 ON MAR 22	0 B ON MAR 1	---	1920
1921	27.1 AT 17:20 MST ON APR 14	20.8 ON APR 14	0 B ON MAR 8	10 800	1921
1922	44.2 ON APR 22	29.2 ON APR 21	0 B ON MAR 1	---	1922
1923	14.5 AT 07:15 MST ON JUN 18	12.1 ON JUN 18	0 B ON MAR 8	7 570	1923
1924	---	2.21 ON APR 7	0 B ON MAR 1	778	1924
1925	21.2 ON MAR 29	19.7 ON MAR 29	0 B ON MAR 1	14 700	1925
1926	---	3.82 ON APR 11	0 ON MAY 8	2 780	1926
1927	---	22.7 E ON MAY 30	0 B ON MAR 1	25 400	1927
1928	19.4 B AT 17:15 MST ON MAR 20	18.6 B ON MAR 20	0 B ON MAR 8	14 000	1928
1929	24.4 B AT 17:50 MST ON MAR 29	20.6 B ON MAR 29	0 B ON MAR 1	11 700	1929
1930	---	4.76 ON APR 3	0 ON MAY 28	2 110	1930
1931	---	---	0 ON MAR 1	---	1931
1935	22.5 E ON APR 17	20.8 E ON APR 13	0 B ON APR 1	---	1935
1936	22.8 B ON MAR 7	21.0 ON APR 12	0 B ON MAR 1	15 300	1936
1937	---	3.34 ON APR 10	0 B ON MAR 1	1 800	1937
1938	17.7 AT 07:30 MST ON APR 11	17.4 ON APR 11	0 ON MAR 24	---	1938
1939	---	28.6 ON MAR 20	0 ON MAR 1	---	1939
1940	24.8 ON APR 22	21.8 ON APR 22	0 ON JUN 18	---	1940
1941	11.4 B AT 14:00 MST ON MAR 19	10.5 B ON MAR 19	0 B ON MAR 1	---	1941
1942	---	4.53 ON JUN 9	0 ON MAR 1	---	1942
1943	---	29.4 ON MAR 24	0 B ON MAR 1	---	1943
1944	---	0.634 ON APR 1	0 ON MAR 1	---	1944
1945	10.5 B AT 12:00 MST ON MAR 11	8.33 B ON MAR 11	0 B ON MAR 1	---	1945
1946	---	7.36 E ON MAR 4	0 ON APR 24	---	1946
1947	56.8 B AT 09:30 MST ON MAR 18	33.1 B ON MAR 18	0 B ON MAR 1	---	1947
1948	---	36.8 ON APR 17	0 B ON MAR 1	---	1948
1949	---	1.30 B ON MAR 8	0 B ON MAR 1	---	1949
1950	5.15 AT 12:10 MST ON APR 2	4.90 ON APR 2	0 B ON MAR 1	---	1950
1951	88.6 AT 08:15 MST ON MAR 31	43.6 ON MAR 31	0 B ON MAR 1	---	1951
1952	84.3 AT 18:45 MST ON APR 7	52.7 ON APR 7	0 B ON MAR 1	---	1952
1953	72.2 AT 08:00 MST ON JUN 4	45.8 ON JUN 4	0 B ON MAR 1	---	1953
1954	15.0 AT 12:00 MST ON APR 8	9.49 ON APR 8	0 B ON MAR 1	---	1954
1955	81.2 ON APR 9 *	58.9 ON APR 9 *	0 B ON MAR 1	---	1955
1956	20.8 B AT 17:00 MST ON MAR 20	20.3 B ON MAR 20	0 B ON MAR 1	---	1956
1957	10.1 AT 07:00 MST ON APR 19	7.42 ON APR 19	0 ON JUL 5	---	1957
1958	5.55 AT 17:00 MST ON MAR 31	4.93 ON MAR 31	0 ON MAR 1	---	1958
1959	7.87 B AT 10:00 MST ON MAR 18	5.41 B ON MAR 18	0 E ON MAY 27	---	1959
1960	---	15.7 B ON MAR 19	0 B ON MAR 1	9 050	1960
1961	---	0 ON MAR 1	0 ON MAR 1	0	1961
1962	5.64 B AT 08:00 MST ON MAR 20	3.60 B ON MAR 21	0 B ON MAR 1	1 460	1962
1963	---	3.28 ON MAR 23	0 ON APR 17	1 300	1963
1964	---	16.4 ON MAY 8	0 ON MAR 1	5 580	1964
1965	---	15.1 ON JUN 27	0 B ON MAR 12	17 900	1965
1966	---	15.9 B ON MAR 11	0 B ON MAR 1	10 300	1966
1967	---	35.2 ON MAY 8	0 B ON MAR 11	33 500	1967
1968	1.44 AT 04:30 MST ON MAR 7	0.985 ON MAR 7	0 ON MAR 1	1 460	1968
1969	19.5 AT 20:53 MST ON MAR 19	16.4 ON MAR 19	0 ON MAR 1	9 570	1969
1970	10.3 AT 10:30 MST ON APR 8	7.50 ON APR 8	0 B ON MAR 1	5 820	1970
1971	---	5.83 ON APR 8	0 ON JUN 20	8 030	1971
1972	17.4 AT 14:00 MST ON MAR 12	10.6 ON MAR 12	0 B ON MAR 1	5 880	1972
1973	4.08 AT 15:15 MST ON JUN 19	3.77 ON JUN 19	0 ON MAR 24	2 410	1973
1974	17.5 B AT 12:30 MST ON MAR 29	13.9 B ON MAR 29	0 B ON MAR 1	8 900	1974
1975	30.6 AT 15:30 MST ON MAY 7	21.0 ON MAY 7	0 B ON MAR 1	24 400	1975
1976	---	5.07 B ON MAR 19	0 B ON MAR 1	4 290	1976
1977	---	0.058 ON APR 8	0 ON MAR 1	21.8	1977
1978	---	3.65 B ON MAR 8	0 B ON MAR 1	4 360	1978
1979	---	18.3 B ON MAR 8	0 B ON MAR 1	13 500	1979
1980	0.280 AT 09:30 MST ON APR 7	0.234 ON APR 7	0 B ON MAR 1	208	1980
1981	1.38 AT 20:00 MST ON JUN 15	0.915 ON JUN 15	0 ON MAR 1	238	1981
1982	12.5 AT 01:05 MST ON APR 14	10.8 ON JUN 3	0 B ON MAR 8	12 000	1982
1983	---	1.76 ON MAY 18	0 ON MAR 8	2 380	1983
1984	0.048 AT 21:18 MST ON MAR 31	0.043 ON APR 11	0 B ON MAR 1	58.3	1984
				8 390	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ROSS CREEK NEAR PASHLEY - STATION NO. 05AH032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	---	0.007	0.015	0.012	0.008	0.010	---	---	---	1920
1921	---	---	0.809	2.11	0.159	0.012	0.010	0.007	0.013	0.014	---	---	---	1921
1922	---	---	1.32	8.34	1.83	0.027	0.018	0.015	0.015	0.018	---	---	---	1922
MEAN	---	---	1.08	4.23	0.895	0.015	0.014	0.011	0.012	0.013	---	---	---	MEAN

LOCATION - LAT 49 58 03 N
LONG 110 28 10 W
DRAINAGE AREA, 795 km^2
REGULATED

ROSS CREEK NEAR PASHLEY - STATION NO. 08AH033

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	---	---	1920
1921	---	9.12 ON APR 18	0 ON APR 10 *	---	1921
1922	---	20.8 ON APR 23 *	---	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

RYCROFT SURVEY NO. 3 NEAR RYCROFT - STATION NO. 07FD910

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	0.188R	0 R	0 R	0 R	0.022R	DR	DR	---	---	---	1982
1983	---	---	---	0.088	0	0.033	0.128	0	0	0	---	---	---	1983
1984	---	---	---	0	0.005	0	0	0	0	0	---	---	---	1984
MEAN	---	---	---	0.088R	0.002R	0.011R	0.042R	0.007R	DR	DR	---	---	---	MEAN

LOCATION - LAT 55 45 00 N
LONG 118 35 00 W NATURAL FLOW

R - REVISED SINCE JAN 1980

RYCROFT SURVEY NO. 3 NEAR RYCROFT - STATION NO. 07FD910

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	2.36 R AT 00:07 MST ON APR 27 *	---	---	---	1982
1983	1.38 AT 22:03 MST ON APR 13	---	---	---	1983
1984	0.135 AT 18:52 MST ON MAY 21	0.070 ON MAY 21 *	0 ON MAR 1 *	---	1984
				---	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

SADDLE RIVER NEAR WOKING - STATION NO. 07FD006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	0.040	0.554	16.7	0.679	0.015	0.001	0	0	---	---	2.27	1967
1968	---	---	1.93	1.38	2.55	9.38	0.155	0.048	0.016	0.027	---	---	1.92	1968
1969	---	---	0.005	10.5	2.46	0.127	0.053	0.003	0.563	0.222	---	---	1.72	1969
1970	---	---	0.998	5.23	2.46	0.383	0.007	0	0	0	---	---	1.12	1970
1971	---	---	0	2.18	0.421	8.28	5.41	0.052	0.001	0.008	---	---	2.02	1971
1972	---	---	1.27	7.58	5.87	0.537	0.847	0.240	0.280	1.81	---	---	2.22	1972
1973	---	---	0.118	14.7	3.05	1.27	0.031	0.191	0.118	0.309	---	---	2.43	1973
1974	---	---	0.009	18.1	11.2	0.498	0.270	0.018	0.052	0.058	---	---	3.68	1974
1975	---	---	0.008	3.25	1.84	0.424	0.113	0.001	0	0	---	---	0.698	1975
1976	---	---	0.208	3.79	1.48	4.06	0.839	8.21	0.483	0.338	---	---	2.39	1976
1977	---	---	0.282	8.26	10.0	2.38	0.882	0.071	0.041	0.309	---	---	2.52	1977
1978	---	---	0.588	3.18	2.88	0.804	0.022	0	0.010	0.019	---	---	0.804	1978
1979	---	---	0.010	4.22	6.88	1.88	1.18	0.008	0.001	0	---	---	1.78	1979
1980	---	---	0.040	0.482	0.108	0.384	0.028	0	0.083	0.014	---	---	0.133	1980
1981	---	---	1.00	2.03	2.30	0.732	0.018	0	0	0	---	---	0.758	1981
1982	---	---	0	1.88	2.78	0.229	0.018	1.25	0.008	0.008	---	---	0.747	1982
1983	---	---	0	2.09	1.28	2.28	8.05	0.058	0.002	0.007	---	---	1.72	1983
1984	---	---	0.587	0.315	3.11	2.90	0.410	0.004	0.013	0.144	---	---	0.829	1984
MEAN	---	---	0.383	4.91	4.29	2.04	0.998	0.584	0.091	0.170	---	---	1.87	MEAN

LOCATION - LAT 55 38 39 N DRAINAGE AREA, 538 km^2
LONG 118 41 51 W NATURAL FLOW

SADDLE RIVER NEAR WOKING - STATION NO. 07FD005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	80.1 AT 05:00 MST ON MAY 6	54.8 ON MAY 6	0 ON AUG 10 *	48 100	1967
1968	438 AT 05:00 MST ON JUN 13 *	150 ON JUN 13 *	0.003A ON OCT 3	40 600	1968
1969	57.2 B AT 23:00 MST ON APR 11	43.6 ON APR 28	0 E ON AUG 18	38 300	1969
1970	10.2 AT 10:00 MST ON APR 23	9.48 ON APR 23	0 ON JUL 30	23 800	1970
1971	78.4 AT 22:00 MST ON JUL 11	56.4 ON JUL 11	0 B ON MAR 1	42 900	1971
1972	61.4 AT 09:00 MST ON APR 29	43.3 ON APR 29	0.001B ON MAR 1	47 100	1972
1973	37.4 AT 01:30 MST ON APR 11	27.8 ON APR 11	0 A ON AUG 7	51 500	1973
1974	80.1 AT 09:30 MST ON APR 28	60.9 ON APR 28	0.004B ON MAR 1	61 800	1974
1975	22.5 B AT 02:30 MST ON APR 19	13.1 B ON APR 19	0 ON AUG 9	14 800	1975
1976	60.9 AT 23:00 MST ON AUG 17	47.8 ON AUG 17	0.008B ON MAR 1	50 600	1976
1977	86.1 A AT 17:00 MST ON MAY 12	48.4 ON MAY 8	0.015A ON SEP 21	53 300	1977
1978	18.4 AT 12:00 MST ON APR 29	15.7 ON APR 29	0 ON AUG 8	19 100	1978
1979	54.3 AT 23:30 MST ON APR 27	30.0 ON APR 28	0 B ON MAR 1	37 200	1979
1980	8.22 AT 18:00 MST ON JUN 18	2.27 ON JUN 19	0 B ON MAR 1	2 810	1980
1981	7.31 AT 16:25 MST ON APR 28	5.20 ON APR 30	0 ON AUG 8	18 100	1981
1982	26.1 AT 02:00 MST ON APR 27	14.3 ON APR 27	0 B ON MAR 1	15 800	1982
1983	37.3 AT 11:30 MST ON JUL 7	20.8 ON JUL 7	0 B ON MAR 1	38 500	1983
1984	34.5 AT 04:00 MST ON JUN 8	27.9 ON JUN 8	0 B ON MAR 1	19 700	1984
				35 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK AT BJORDAL'S NEAR WILD HORSE - STATION NO. 11AA009

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	0	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	0.004	0	0	0.058	0	0.282	0.077	---	---	---	1911
1912	---	---	---	0.871	0.010	0.010	---	---	---	---	---	---	---	1912
1913	---	---	---	0.830	0.081	0	---	---	---	---	---	---	---	1913
1916	---	---	---	0.185	0.101	0.821	0.515	0.283	0.194	0.031	---	---	---	1916
1917	---	---	---	1.04	0.520	0.018	---	---	---	---	---	---	---	1917
1918	---	---	---	1.28	0.025	0	---	---	---	---	---	---	---	1918
1919	---	---	0	0.188	0.003	0	0	0	---	---	---	---	---	1919
1920	---	---	0.081	0.842	0.328	0.119	0.001	---	---	---	---	---	---	1920
1921	---	---	0.218	0.575	0.379	0.044	---	---	---	---	---	---	---	1921
1922	---	---	---	0.818	0.284	0.018	0.103	---	---	---	---	---	---	1922
1923	---	---	---	0.312	0.009	0.268	0.199	0.001	0	0	---	---	---	1923
1924	---	---	0	0	0	0.002	0	0.009	0	0	---	---	---	1924
1926	---	---	0.453	0.001	0	0	0	---	0.098	---	---	---	---	1926
1927	---	---	0.158	0.722	0.821	0.127	0.008	0.032	0	0	---	---	---	1927
1928	---	---	0.110	0.814	0.151	0	0	0.084	0	0	---	---	---	1928
1935	---	---	---	---	0	---	---	---	0	---	---	---	---	1935
1936	---	---	0	0.144	0	0	---	---	---	---	---	---	---	1936
1937	---	---	0	0.343	0.001	---	---	---	---	---	---	---	---	1937
MEAN	---	---	0.113	0.468	0.151	0.070	0.088	0.084	0.073	0.018	---	---	---	MEAN

LOCATION - LAT 49 00 51 N, LONG 110 12 00 W
DRAINAGE AREA, 588 km^2
REGULATED

SAGE CREEK AT BJORDAL'S NEAR WILD HORSE - STATION NO. 11AA009

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	0 ON MAR 31 *	---	1910
1911	---	---	0 ON APR 8	---	1911
1912	---	2.40 ON APR 7	0 ON MAY 12	---	1912
1913	---	---	0 ON MAY 5	---	1913
1916	---	1.90 ON JUL 4	0 ON MAY 7	---	1916
1917	---	2.83 ON APR 14	0 ON APR 1	---	1917
1918	---	3.08 ON APR 1 *	0 ON MAY 31	---	1918
1919	---	0.821 ON APR 22	0 ON MAR 1	---	1919
1920	---	1.44 ON APR 18	0 ON MAR 1	---	1920
1921	---	1.42 B ON MAR 31	0B ON MAR 1	---	1921
1922	---	1.58 ON APR 27	0 ON APR 1	---	1922
1923	---	1.87 ON JUN 23	0 ON APR 10	---	1923
1924	---	0.068E ON AUG 18	0 ON MAR 1	---	1924
1926	---	1.44 B ON MAR 2	0B ON APR 7	---	1926
1927	---	2.44 ON MAY 30	0B ON MAR 1	---	1927
1928	---	1.84 ON APR 3	0B ON MAR 1	---	1928
1935	---	---	0 ON MAY 1	---	1935
1936	---	1.18 ON APR 13	0 ON MAR 1	---	1936
1937	---	1.34 ON APR 13	0 ON MAR 1	---	1937
				---	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK AT O RANCH NEAR WILDHORSE - STATION NO. 11AA026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1935	---	---	1.05	1.55	0	0	0.050	0	0	0	---	---	0.333	1935
1936	---	---	0	1.18	0.001	0	0	0	0	0	---	---	0.145	1936
1937	---	---	0	2.18	0.027	0	0	0	0	0	---	---	0.270	1937
1938	---	---	1.62	0.940	0.118	0.104	0.374	0	0.567	0	---	---	0.466	1938
1939	---	---	3.10	0.119	0	0.354	0.018	0	0	0	---	---	0.492	1939
1940	---	---	0.066	5.70	0.303	0.086	0.048	0	0	0	---	---	0.789	1940
1941	---	---	2.48	0.035	0	0.097	0.219	0	0	0	---	---	0.358	1941
1942	---	---	0.137	0.604	0	1.84	0.137	0	0	0	---	---	0.310	1942
1943	---	---	5.81	0.587	0	0	0	0	0	0	---	---	0.931	1943
1944	---	---	0.005	0.075	0	0.015	0.321	0	0	0	---	---	0.052	1944
1945	---	---	0.740	0.021	0	0	0	0	0	0	---	---	0.098	1945
1946	---	---	1.83	0.050	0	0.057	0	0	0	0	---	---	0.220	1946
1947	---	---	2.38	2.13	0.018	0	0	0.234	0.054	0	---	---	0.597	1947
1948	---	---	0.329	3.86	0.412	0	0	0	0	0	---	---	0.532	1948
1949	---	---	0.084	0.281	0	0	0	0	0	0	---	---	0.040	1949
1950	---	---	0	2.25	0	0.057	0	0	0	0	---	---	0.283	1950
1951	---	---	0	4.47	1.38	0.106	0.001	0.597	0.327	0	---	---	0.849	1951
1952	---	---	0	11.0	0.307	0.002	0	0	0	0	---	---	1.38	1952
1953	---	---	0.218	0.894	0.782	0.944	0.002	0	0	0	---	---	0.327	1953
1954	---	---	0	0.800	0	0.168	0.007	0.181	0.099	0.028	---	---	0.188	1954
1955	---	---	0.452	8.41	1.88	0.039	1.84	0.011	0	0	---	---	1.32	1955
1956	---	---	0.238	1.27	0.014	0.138	0.781	0.021	0	0	---	---	0.306	1956
1957	---	---	0.585	2.35	0.043	0.019	0	0	0	0	---	---	0.371	1957
1958	---	---	0.586	8.77	0.004	0	0	0	0	0	---	---	0.805	1958
1959	---	---	2.40	0.857	0.001	0	0	0	0	0	---	---	0.385	1959
1960	---	---	3.80	0.183	0.687	0.004	0	0	0	0	---	---	0.540	1960
1961	---	---	0.140	0	0	0	0	0	0	0	---	---	0.018	1961
1962	---	---	0.847	0.293	0	0.192	0	0	0	0	---	---	0.188	1962
1963	---	0.985	0.713	0.150	0	0	0.808	0	0	0	---	---	0.211	1963
1964	---	---	0.248	0.837	0.139	0	0	0	0	0	---	---	0.184	1964
1965	---	---	0	4.78	0.415	3.59	0.892	0.001	0.182	0	---	---	1.19	1965
1966	---	---	2.12	0.288	0.002	0.187	0.068	0	0	0	---	---	0.334	1966
1967	---	---	0.040	7.05	3.87	0.044	0.001	0	0	0	---	---	1.34	1967
1968	---	---	0.084	0.001	0	0	0	0	0	0	---	---	0.013	1968
1969	---	---	0	4.38	0.005	0	0	0	0	0	---	---	0.837	1969
1970	---	---	0	1.16	0.034	0.341	0.080	0	0	0	---	---	0.198	1970
1971	---	---	0	2.38	0.031	0.070	0	0	0	0	---	---	0.304	1971
1972	---	---	2.29	0.037	0	0	0	0	0	0	---	---	0.294	1972
1973	---	---	0.141	0	0	0.073	0	0	0	0	---	---	0.027	1973
1974	---	---	0.098	1.41	0.497	0.004	0	0	0	0	---	---	0.249	1974
1975	---	---	0	2.71	1.39	1.07	0.008	0	0	0	---	---	0.839	1975
1976	---	---	2.17	0.217	0.001	0.279	0.008	0	0	0	---	---	0.337	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0.195	4.13	0.364	0.003	0.194	0	0.244	0	---	---	0.831	1978
1979	---	---	2.89	1.99	0.438	0.087	0	0	0	0	---	---	0.886	1979
1980	---	---	0.404	0.082	0	0	0	0	0	0	---	---	0.081	1980
1981	---	---	0.018	0	0.129	0	0.008	0	0	0	---	---	0.020	1981
1982	---	---	0	3.93	0.586	0.348	0	0	0	0	---	---	0.599	1982
1983	---	---	0.288	0	0.010	0	0.185	0	0	0	---	---	0.081	1983
1984	---	---	0.224	0.027	0	0	0	0	0	0	---	---	0.032	1984
MEAN	---	0.985	0.827	1.83	0.273	0.201	0.117	0.021	0.030	0.001	0	---	0.410	MEAN

LOCATION - LAT 49 08 29 N
LONG 110 13 23 W

DRAINAGE AREA, 456 km²
NATURAL FLOW

INTERNATIONAL GAUGING STATION

SAGE CREEK AT Q RANCH NEAR WILDHORSE - STATION NO 11AA026

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1935	---	5.66 B ON MAR 14	OB ON MAR 1 *	7 050	1935
1936	12.9 E ON APR 11	4.30 E ON APR 9	0 ON MAR 1	3 080	1936
1937	99.1 E ON APR 11 *	23.2 E ON APR 11	0 ON MAR 1	5 710	1937
1938	80.4 E ON MAR 27	23.3 E ON MAR 27	0 ON MAR 1	9 870	1938
1939	49.8 E ON MAR 22	10.3 E ON MAR 18	0 ON MAR 1	9 570	1939
1940	38.8 ON APR 21	28.3 ON APR 19	0 ON MAR 1	16 100	1940
1941	23.4 B AT 17:30 MST ON MAR 20	20.4 B ON MAR 20	OB ON MAR 1	7 870	1941
1942	---	5.92 ON JUN 8	0 ON MAR 1	8 560	1942
1943	83.5 E ON MAR 29	75.7 E ON MAR 29 *	0 ON MAR 1	19 700	1943
1944	---	0.908E ON JUL 5	0 ON MAR 1	1 110	1944
1945	---	1.35 E ON MAR 15	0 ON MAR 1	2 030	1945
1946	7.53 AT 17:00 MST ON MAR 12	5.51 ON MAR 13	0 ON MAR 1	4 650	1946
1947	16.1 B AT 15:30 MST ON MAR 28	12.4 B ON APR 1	0 ON MAR 1	12 800	1947
1948	19.5 AT 15:30 MST ON APR 17	16.2 ON APR 17	OB ON MAR 1	11 300	1948
1949	1.58 AT 16:30 MST ON APR 2	1.31 ON APR 2	0 ON MAR 1	845	1949
1950	9.88 AT 13:00 MST ON APR 13	8.33 ON APR 13	0 ON MAR 1	5 890	1950
1951	21.3 B ON APR 5	17.5 B ON APR 5	0 ON MAR 1	18 000	1951
1952	51.0 AT 08:00 MST ON APR 14	41.6 ON APR 14	OB ON MAR 1	29 300	1952
1953	18.2 AT 22:00 MST ON JUN 3	11.6 ON JUN 3	0 ON MAR 1	5 930	1953
1954	7.82 AT 06:00 MST ON AUG 28	4.90 ON APR 7	0 ON MAR 1	3 290	1954
1955	52.1 AT 18:00 MST ON APR 19	35.4 ON APR 19	0 ON MAR 1	27 900	1955
1956	9.97 AT 06:00 MST ON JUL 7	7.19 ON JUL 7	0 ON MAR 1	5 480	1956
1957	15.1 AT 05:00 MST ON APR 1	12.3 ON APR 1	0 ON MAR 1	7 880	1957
1958	49.0 B AT 05:00 MST ON APR 5	43.6 B ON APR 5	OB ON MAR 1	19 100	1958
1959	11.9 AT 12:00 MST ON MAR 27	9.97 ON MAR 27	0 ON MAR 1	5 130	1959
1960	17.8 AT 04:00 MST ON MAR 21	15.2 ON MAR 21	0 ON MAR 1	11 400	1960
1961	0.640 AT 21:30 MST ON MAR 18	0.484 ON MAR 18	OB ON MAR 12	378	1961
1962	8.55 B AT 23:00 MST ON MAR 27	6.68 B ON MAR 27	OB ON MAR 1	3 530	1962
1963	20.4 AT 07:00 MST ON JUL 5	13.6 ON JUL 5	0 ON APR 23	4 480	1963
1964	5.01 B AT 11:00 MST ON MAR 19	4.30 B ON MAR 19	OB ON MAR 1	3 280	1964
1965	41.3 AT 05:00 MST ON JUN 26	38.2 ON JUN 26	OB ON MAR 1	25 100	1965
1966	11.3 B ON MAR 17	8.72 B ON MAR 17	OB ON MAR 1	7 070	1966
1967	27.0 AT 23:00 MST ON APR 11	24.0 ON APR 11	OB ON MAR 1	26 400	1967
1968	1.10 AT 16:00 MST ON MAR 3	0.544 ON MAR 3	0 ON MAR 1	287	1968
1969	32.6 AT 17:00 MST ON APR 4	26.3 ON APR 4	0 ON MAR 1	11 400	1969
1970	11.4 AT 01:08 MST ON APR 8	8.13 ON APR 7	0 ON MAR 1	4 140	1970
1971	10.2 B AT 16:30 MST ON APR 7	8.83 B ON APR 7	OB ON MAR 1	5 420	1971
1972	16.4 AT 06:30 MST ON MAR 17	15.2 ON MAR 17	OB ON MAR 1	8 230	1972
1973	2.65 AT 16:00 MST ON JUN 19	1.23 ON JUN 19	OB ON MAR 1	587	1973
1974	5.04 AT 22:45 MST ON MAY 22	4.36 ON MAY 22	OB ON MAR 1	5 270	1974
1975	23.8 AT 01:30 MST ON JUN 21	18.4 ON MAY 7	OB ON MAR 1	13 500	1975
1976	21.8 B AT 01:00 MST ON MAR 19	18.2 B ON MAR 19	OB ON MAR 1	7 130	1976
1977	---	0 E ON MAR 1	OE ON MAR 1	0	1977
1978	16.3 AT 14:00 MST ON APR 8	15.0 ON APR 8	0 ON MAR 1	13 400	1978
1979	---	10.8 B ON MAR 18	OB ON MAR 1	14 500	1979
1980	---	1.51 B ON MAR 20	OB ON MAR 1	1 290	1980
1981	3.71 AT 08:35 MST ON MAY 18	2.88 ON MAY 18	0 ON MAR 15	415	1981
1982	16.3 AT 20:20 MST ON APR 14	14.2 ON APR 15	OB ON MAR 1	12 700	1982
1983	3.94 AT 18:10 MST ON JUL 22	2.84 ON MAR 12	0 ON MAR 28	1 300	1983
1984	2.48 AT 13:40 MST ON MAR 22	1.67 ON MAR 22	0 ON MAR 1	871	1984
				8 670	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1946	---	---	0.183	0.033	0	0	0	0	0	0	---	---	0.027	1946
1947	---	---	0	0.100	0.017	0	0	0.010	0.014	0.001	---	---	0.017	1947
1948	---	---	0.032	0.381	0.328	0	0	0	0	0	---	---	0.080	1948
1949	---	---	0	0.053	0	0	0	0	0	0	---	---	0.007	1949
1950	---	---	0	0.129	0	0	0.005	0	0	0	---	---	0.018	1950
1951	---	---	0	0.118	0.148	0.100	0.014	0	0.446	0	---	---	0.102	1951
1952	---	---	0	0.162	0.181	0.002	0	0	0	0	---	---	0.038	1952
1953	---	---	0.034	0.112	0.347	0.388	0.001	0.002	0	0	---	---	0.111	1953
1954	---	---	0	0.186	0	0.074	0.015	0.038	0.115	0.047	---	---	0.058	1954
1955	---	---	0	0.189	0.578	0.114	0.374	0.010	0	0	---	---	0.159	1955
1956	---	---	0	0.270	0.008	0.024	0.269	0.007	0	0	---	---	0.072	1956
1957	---	---	0.147	0.423	0.051	0.012	0	0	0	0	---	---	0.078	1957
1958	---	---	0.038	0.803	0.005	0.008	0	0	0	0	---	---	0.080	1958
1959	---	---	0.078	0.273	0.002	0	0	0	0	0	---	---	0.044	1959
1960	---	---	0.113	0.021	0.170	0.014	0	0	0	0	---	---	0.040	1960
1961	---	---	0.144	0	0	0	0	0	0	0	---	---	0.018	1961
1962	---	---	0	0.165	0.001	0.047	0	0	0	0	---	---	0.026	1962
1963	---	0.218	0.088	0.038	0	0	0.185	0	0	0	---	---	0.037	1963
1964	---	---	0.101	0.270	0.004	0	0	0	0	0	---	---	0.046	1964
1965	---	---	0	0.135	0.200	0.379	0.505	0.015	0.129	0.005	---	---	0.183	1965
1966	---	---	0.349	0.322	0.001	0.104	0.048	0	0	0	---	---	0.102	1966
1967	---	---	0	0.385	0.351	0.068	0	0	0	0	---	---	0.098	1967
1968	---	---	0.080	0.001	0	0	0	0	0	0	---	---	0.010	1968
1969	---	---	0	0.410	0.010	0	0	0	0	0	---	---	0.051	1969
1970	---	---	0	0.085	0.013	0.021	0.001	0	0	0	---	---	0.015	1970
1971	---	---	0	0.168	0.007	0.003	0	0	0	0	---	---	0.022	1971
1972	---	---	0.187	0.021	0	0	0	0	0	0	---	---	0.028	1972
1973	---	---	0.087	0	0	0.008	0	0	0	0	---	---	0.012	1973
1974	---	---	0	0.178	0.204	0.008	0	0	0	0	---	---	0.048	1974
1975	---	---	0	0.285	0.458	0.222	0.036	0	0	0	---	---	0.128	1975
1976	---	---	0.241	0.202	0.001	0.137	0.041	0	0	0	---	---	0.077	1976
1977	---	---	0	0	0	0	0	0	0	0	---	---	0	1977
1978	---	---	0	0.788	0.343	0.010	0.178	0	0.145	0.005	---	---	0.183	1978
1979	---	---	0	0.590	0.283	0.074	0.002	0	0	0	---	---	0.117	1979
1980	---	---	0.104	0.108	0	0	0	0	0	0	---	---	0.028	1980
1981	---	---	0.019	0.004	0.078	0	0	0	0	0	---	---	0.013	1981
1982	---	---	0	0.287	0.425	0.248	0	0	0	0	---	---	0.118	1982
1983	---	---	0.136	0.001	0	0	0.088	0	0	0	---	---	0.026	1983
MEAN	---	0.218	0.057	0.196	0.110	0.054	0.048	0.002	0.022	0.002	---	---	0.081	MEAN

LOCATION - LAT 49 00 10 N LONG 110 11 30 W DRAINAGE AREA, 591 km² REGULATED INTERNATIONAL GAUGING STATION

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1983

SAGE CREEK NEAR INTERNATIONAL BOUNDARY - STATION NO. 11AA027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1946	---	0.552 ON MAR 23	0 ON MAR 1 *	577	1946
1947	---	0.334 ON APR 16	0 ON MAR 1	369	1947
1948	---	1.08 E ON MAY 1	0 ON MAR 1	1 690	1948
1949	---	0.173 ON APR 7	0 ON MAR 1	136	1949
1950	---	0.623 ON APR 18	0 ON MAR 1	348	1950
1951	---	1.47 ON SEP 3	0 ON MAR 1	2 160	1951
1952	0.872 AT 18:00 MST ON MAY 18	0.722 ON MAY 16	0 ON MAR 1	804	1952
1953	1.03 AT 18:30 MST ON MAY 23	1.02 ON JUN 5	0 ON MAR 1	2 350	1953
1954	0.790 AT 13:00 MST ON APR 8	0.617 ON AUG 31	0 ON MAR 1	1 190	1954
1955	1.40 ON MAY 18	1.38 ON MAY 18	0E ON MAR 1	3 350	1955
1956	---	0.981 ON APR 11	0 ON MAR 1	1 520	1956
1957	---	1.15 ON MAR 28	0 ON MAR 1	1 680	1957
1958	---	1.06 ON APR 1	0 ON MAR 1	1 690	1958
1959	---	0.738 ON APR 7	0 ON MAR 1	822	1959
1960	---	1.08 ON MAY 28	0 ON MAR 1	849	1960
1961	---	0.425 ON MAR 19	0 ON MAR 30	385	1961
1962	---	0.678 ON APR 7	0 ON MAR 1	855	1962
1963	---	0.753 ON JUL 7	0 ON MAY 2	788	1963
1964	1.10 E AT 11:00 MST ON MAR 21	0.808 ON APR 8	0 ON MAR 1	984	1964
1965	1.33 AT 05:00 MST ON APR 29	1.30 ON APR 28	0 ON MAR 1	3 670	1965
1966	1.02 AT 08:30 MST ON APR 2	0.891 ON APR 2	0E ON MAR 1	2 170	1966
1967	1.38 AT 21:00 MST ON APR 11	1.18 ON APR 12	0 ON MAR 1	2 080	1967
1968	0.523 AT 22:30 MST ON MAR 7	0.453 ON MAR 8	0 ON MAR 1	215	1968
1969	1.02 AT 01:00 MST ON APR 9	0.863 ON APR 9	0E ON MAR 1	1 090	1969
1970	0.851 AT 18:30 MST ON APR 7	0.538 ON APR 7	0 ON MAR 1	313	1970
1971	---	0.3685 ON APR 13	0E ON MAR 1	456	1971
1972	0.906 AT 12:45 MST ON MAR 20	0.783 ON MAR 20	0 ON MAR 1	582	1972
1973	0.425 AT 13:00 MST ON MAR 13	0.340 ON MAR 10	0 ON MAR 1	253	1973
1974	---	0.755 ON MAY 23	0 ON MAR 1	1 030	1974
1975	---	1.08 ON APR 23	0 ON MAR 1	2 680	1975
1976	1.27 E AT 08:00 MST ON MAR 27	1.08 E ON MAR 26	0E ON MAR 1	1 640	1976
1977	---	0 ON MAR 1	0 ON MAR 1	0	1977
1978	1.67 E AT 08:00 MST ON APR 12 *	1.78 E ON APR 12 *	0E ON MAR 1	3 870	1978
1979	1.27 E AT 18:00 MST ON APR 12	1.22 ON APR 18	0 ON MAR 1	2 490	1979
1980	0.574 AT 21:00 MST ON APR 1	0.481 ON APR 2	0 ON MAR 1	561	1980
1981	1.37 AT 18:00 MDT ON MAY 18	1.09 ON MAY 19	0 ON MAR 21	288	1981
1982	1.42 AT 08:00 MDT ON MAY 31	1.41 ON MAY 31	0E ON MAR 1	2 520	1982
1983	0.898 AT 19:30 MST ON JUL 24	0.727 ON JUL 24	0 ON APR 13	544	1983
				1 280	MEAN

E - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	3.17	2.87	---	---	---	1972
1973	---	---	1.05	8.08	17.1	17.9	8.50	8.09	3.47	4.82	---	---	8.21	1973
1974	---	---	0.850	21.5	33.6	8.18	8.28	2.05	2.47	2.25	---	---	8.88	1974
1975	---	---	0.738	4.35	11.0	12.4	10.2	8.05	7.41	2.48	---	---	8.82	1975
1976	---	---	0.820	15.1	8.88	11.4	12.2	17.5	7.28	3.90	---	---	8.85	1976
1977	---	---	1.17	13.6	31.5	14.5	14.7	4.03	3.85	3.73	---	---	10.5	1977
1978	---	---	0.800	7.82	9.20	14.1	7.82	3.12	11.2	5.10	---	---	7.33	1978
1979	---	---	0.870	3.53	31.7	30.7	36.5	4.50	1.95	1.92	---	---	14.2	1979
1980	---	---	0.583	10.6	8.83	13.9	8.84	4.14	8.91	3.42	---	---	7.11	1980
1981	---	---	1.03	8.10	9.73	10.5	4.38	1.79	0.817	1.10	---	---	4.88	1981
1982	---	---	0.558	2.07	19.8	3.07	12.7	10.8	3.03	1.75	---	---	8.77	1982
1983	---	---	0.426	3.52	3.85	17.8	25.9	4.82	2.81	2.54	---	---	7.74	1983
1984	---	---	0.807	5.77	15.7	17.8	4.91	2.79	4.89	2.88	---	---	7.02	1984
MEAN	---	---	0.790	8.70	18.8	14.1	12.9	5.85	4.58	2.98	---	---	8.34	MEAN

LOCATION - LAT 54 12 05 N DRAINAGE AREA, 440 km²
LONG 115 46 40 W NATURAL FLOW

SAKWATAMAU RIVER NEAR WHITECOURT - STATION NO. 07AH003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1972	---	---	---	---	1972
1973	85.4 AT 11:00 MST ON JUN 17	81.7 ON JUN 17	0.8508 ON MAR 1	174 000	1973
1974	80.1 AT 11:40 MST ON APR 30	74.2 ON APR 27	0.7458 ON APR 10	205 000	1974
1975	101 AT 21:30 MST ON JUN 28	80.4 ON JUN 29	0.8948 ON MAR 1	144 000	1975
1976	88.3 AT 18:30 MST ON AUG 18	48.1 ON AUG 27	0.7938 ON MAR 1	204 000	1976
1977	101 AT 04:00 MST ON MAY 30	94.5 ON MAY 30	1.12 B ON MAR 10	231 000	1977
1978	87.8 AT 17:15 MST ON JUN 15	71.9 ON JUN 15	0.7458 ON MAR 3	155 000	1978
1979	---	145 E ON JUL 13 *	0.4248 ON MAR 1	301 000	1979
1980	34.5 AT 23:30 MST ON MAY 28	32.5 ON MAY 29	0.3108 ON MAR 5	151 000	1980
1981	50.1 AT 15:00 MST ON JUN 1	43.3 ON JUN 1	0.358 ON AUG 28	98 600	1981
1982	51.5 AT 18:00 MST ON AUG 4	47.9 ON AUG 4	0.3308 ON MAR 1	143 000	1982
1983	92.5 AT 16:50 MST ON JUN 28	83.5 ON JUN 28	0.2958 ON MAR 22 *	184 000	1983
1984	107 AT 07:05 MST ON JUN 8 *	98.2 ON JUN 8	0.4208 ON MAR 13	149 000	1984
				177 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SALT RIVER BELOW PEACE POINT HIGHWAY - STATION NO. 07NB007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1973	0	0	0	1.48	0.748	0.038	1.78	0.874	1.28	1.83	0.437	0.048	0.708	1973
1974	0.002	0	0	10.5	8.01	1.80	1.54	0.205	0.128	0.178	0.181	0.037	1.70	1974
1975	0.003	0	0	1.87	1.44	0.801	0.122	0.258	1.18	1.10	0.447	0.032	0.620	1975
1976	0.004	0	0.001	8.80	2.10	0.384	0.780	0.887	0.243	0.188	0.073	0.012	1.17	1976
1977	0	0	0	2.58	0.888	7.41	2.44	1.83	1.13	0.880	0.270	0.023	1.41	1977
1978	0.001	0	0	0.578	2.48	0.717	0.111	0.027	0.238	0.425	0.145	0	0.398	1978
1979	0	0	0	0.030	3.50	0.719	0.049	0.011	0.006	0.052	0.031	0.004	0.372	1979
1980	0	0	0	1.01	0.052	0.038	0.288	0.052	0.029	0.027	0.023	0	0.124	1980
MEAN	0.001	0	0	3.48	2.13	1.47	0.883	0.483	0.527	0.580	0.201	0.018	0.813	MEAN

LOCATION - LAT 59 50 00 N DRAINAGE AREA, 821 km²
LONG 111 58 10 W NATURAL FLOW

SALT RIVER BELOW PEACE POINT HIGHWAY - STATION NO. 07NB007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1973	8.85 AT 04:45 MST ON JUL 10	7.70 ON JUL 10	0B ON JAN 1 *	22 300	1973
1974	---	39.4 ON APR 24 *	0B ON JAN 13	53 600	1974
1975	---	5.938 ON APR 21	0B ON JAN 20	19 800	1975
1976	28.7 B AT 17:15 MST ON APR 15	28.3 B ON APR 15	0B ON JAN 15	38 800	1976
1977	36.0 AT 12:00 MST ON JUN 10 *	33.1 ON JUN 10	0B ON JAN 7	44 800	1977
1978	---	7.428 ON MAY 1	0B ON JAN 5	12 800	1978
1979	---	12.5 B ON MAY 11	0B ON JAN 1	11 700	1979
1980	---	4.08 ON APR 15	0B ON JAN 1	3 830	1980
				25 800	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO. 05AH047

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	---	---	---	0	0	0	---	---	---	1982
1983	---	0.087	0	0	0	0	0	0	0	0	---	---	0	1983
1984	---	0	0	0	0	0	0	0	0	0	---	---	0	1984
MEAN	---	0.034	0	0	0	0	0	0	0	0	---	---	0	MEAN

LOCATION - LAT 50 09 48 N
LONG 110 15 39 W NATURAL FLOW

SAM LAKE TRIBUTARY NEAR SCHULER - STATION NO. 05AH047

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	0 ON JUL 22 *	---	1982
1983	---	0 ON MAR 1 *	0 ON MAR 1	0	1983
1984	---	0B ON MAR 1	0B ON MAR 1	0	1984
				0	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAND RIVER NEAR THE MOUTH - STATION NO. 05AB001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	---	---	2.71	---	---	---	---	1967
1968	---	---	---	---	---	3.47	2.57	4.36	---	---	---	---	---	1968
1969	---	---	1.92	36.2	28.6	12.6	7.80	9.78	8.57	18.6	---	---	15.2	1969
1970	---	---	2.45	19.3	19.4	12.8	101	36.1	40.1	31.4	---	---	32.9	1970
1971	---	---	4.36	43.5	35.6	27.6	78.6	20.0	8.81	8.71	---	---	28.1	1971
1972	---	---	2.88	13.4	36.9	8.23	4.19	3.20	2.80	4.92	---	---	9.81	1972
1973	---	---	1.18	9.00	12.1	36.4	26.6	42.0	40.2	33.3	---	---	24.9	1973
1974	---	---	3.85	56.4	127	32.7	18.8	10.8	14.8	12.2	---	---	34.5	1974
1975	---	---	3.36	13.3	44.8	36.2	51.9	20.5	15.1	10.7	---	---	24.5	1975
1976	---	---	3.11	15.0	7.81	14.0	55.5	19.7	20.6	10.4	---	---	18.2	1976
1977	---	---	2.47	10.7	12.5	14.6	10.6	11.5	8.74	8.58	---	---	9.94	1977
1978	---	---	2.81	10.4	25.5	32.0	9.54	5.09	13.8	12.7	---	---	13.9	1978
1979	---	---	3.63	8.00	29.1	42.6	20.0	8.48	12.4	8.71	---	---	16.4	1979
1980	---	---	2.10	10.6	7.00	3.88	2.90	28.5	28.4	21.1	---	---	12.8	1980
1981	---	---	2.81	10.5	7.65	8.74	21.3	5.44	2.74	2.29	---	---	7.44	1981
1982	---	---	0.872	8.21	21.3	9.28	8.93	5.88	3.42	2.88	---	---	7.58	1982
1983	---	---	1.45	8.74	7.19	5.83	11.3	6.23	3.82	4.41	---	---	6.13	1983
1984	---	---	1.48	8.50	14.3	28.0	9.28	4.35	5.33	7.35	---	---	8.77	1984
MEAN	---	---	2.63	17.8	27.3	19.2	25.9	14.1	13.8	12.3	---	---	17.0	MEAN

LOCATION - LAT 54 28 15 N DRAINAGE AREA, 4 910 km^2
LONG 111 11 05 W NATURAL FLOW

SAND RIVER NEAR THE MOUTH - STATION NO. 05AB001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	---	---	---	1968
1969	---	57.4 ON APR 22	0.8508 ON MAR 1	322 000	1969
1970	181 AT 17:38 MST ON JUL 7	159 ON JUL 7	2.27 B ON MAR 1	698 000	1970
1971	118 AT 08:00 MST ON APR 27	114 ON APR 28	3.68 B ON MAR 5	585 000	1971
1972	87.7 AT 15:00 MST ON MAY 3	87.4 ON MAY 1	1.78 ON SEP 13	207 000	1972
1973	89.4 AT 22:30 MST ON AUG 30	89.1 ON AUG 31	0.8508 ON MAR 1	528 000	1973
1974	191 AT 11:00 MST ON APR 27 *	190 ON APR 27 *	3.68 B ON MAR 1	731 000	1974
1975	84.1 AT 20:00 MST ON JUL 5	83.0 ON JUL 6	3.23 B ON MAR 22	519 000	1975
1976	103 AT 13:30 MST ON JUL 18	97.7 ON JUL 18	2.97 B ON MAR 14	388 000	1976
1977	---	25.58 ON APR 18	2.28 B ON MAR 22	210 000	1977
1978	87.2 AT 17:00 MST ON JUN 2	86.6 ON MAY 31	2.19 B ON MAR 1	294 000	1978
1979	87.0 AT 23:20 MST ON JUN 17	87.0 ON JUN 17	2.88 B ON MAR 1	348 000	1979
1980	42.8 AT 16:20 MST ON AUG 14	42.6 ON AUG 15	1.87 B ON MAR 1	271 000	1980
1981	34.8 AT 10:50 MST ON JUL 14	34.6 ON JUL 14	1.50 B ON OCT 31	158 000	1981
1982	---	42.0A ON APR 28	0.7788 ON MAR 1 *	180 000	1982
1983	---	17.7 ON APR 21	1.36 B ON MAR 1	130 000	1983
1984	48.7 AT 03:20 MST ON JUN 5	46.4 ON JUN 5	1.23 B ON MAR 1	207 000	1984
				380 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	5.79	11.5	4.28	3.31	2.85	---	---	---	1923
1924	---	---	---	---	---	---	3.54	11.0	9.00	5.80	---	---	---	1924
1925	---	---	---	---	28.4	12.1	8.19	---	2.74	---	---	---	---	1925
1926	---	---	---	---	---	38.8	39.4	10.8	9.57	5.75	---	---	---	1926
1927	---	---	---	---	9.81	26.1	9.68	7.38	9.48	5.37	---	---	---	1927
1989	---	---	---	---	---	---	4.25	7.82	24.1	14.8	---	---	---	1989
1970	---	---	0.439	23.8	21.6	15.5	19.2	8.07	4.17	2.70	---	---	11.7	1970
1971	---	---	0.281	21.7	19.8	30.1	88.1	16.3	3.85	2.53	---	---	22.8	1971
1972	---	---	0.334	16.6	54.6	31.4	24.3	12.8	3.72	4.98	---	---	18.8	1972
1973	---	---	0.443	7.93	24.2	36.8	15.9	9.50	8.12	10.8	---	---	13.8	1973
1974	---	---	0.811	53.5	98.2	15.7	21.4	5.71	4.79	4.02	---	---	25.5	1974
1975	---	---	0.413	9.89	28.2	15.1	32.5	13.0	15.0	4.78	---	---	14.8	1975
1976	---	---	0.338	20.6	9.15	9.57	18.6	22.5	24.3	7.08	---	---	14.0	1976
1977	---	---	0.709	16.4	33.8	39.5	37.5	8.89	8.12	5.95	---	---	18.8	1977
1978	---	---	0.268	10.9	25.6	14.0	10.3	10.4	40.5	14.4	---	---	15.7	1978
1979	---	---	0.728	9.88	47.9	39.3	76.4	25.2	4.05	1.77	---	---	25.8	1979
1980	---	---	0.131	5.32	3.30	8.60	12.8	13.7	15.0	8.83	---	---	8.58	1980
1981	---	---	0.593	12.7	11.8	16.2	14.5	5.07	0.695	1.77	---	---	7.91	1981
1982	---	---	0.067	5.79	17.6	3.20	16.7	16.9	4.11	1.89	---	---	8.43	1982
1983	---	---	0.101	2.20	3.04	17.0	73.9	18.9	3.83	3.24	---	---	15.4	1983
1984	---	---	0.352	3.81	8.40	34.8	9.77	2.40	5.18	3.72	---	---	8.21	1984
MEAN	---	---	0.400	14.8	25.9	21.4	26.1	11.4	9.74	5.86	---	---	15.3	MEAN

LOCATION - LAT 55 09 20 N
LONG 114 14 10 W
DRAINAGE AREA, 2 800 km²
NATURAL FLOW

SAULTEAUX RIVER NEAR SPURFIELD - STATION NO. 07BK005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	1923
1924	---	---	---	---	1924
1925	---	---	---	---	1925
1926	---	55.5 ON JUN 18	---	---	1926
1927	---	34.3 ON JUN 12	---	---	1927
1989	---	---	---	---	1989
1970	---	80.8B ON APR 21	0.311B ON MAR 5	247 000	1970
1971	178 AT 23:00 MST ON JUL 10	173 ON JUL 10	0.153B ON MAR 14	483 000	1971
1972	78.4 AT 07:30 MST ON MAY 1	76.2 ON MAY 1	0.244B ON MAR 15	394 000	1972
1973	84.8 AT 15:30 MST ON JUN 19	83.7 ON JUN 19	0.388B ON MAR 18	294 000	1973
1974	182 AT 21:00 MST ON APR 30 *	181 ON APR 30 *	0.725B ON MAR 18	541 000	1974
1975	89.2 AT 18:30 MST ON JUL 2	88.9 ON JUL 2	0.371B ON MAR 26	309 000	1975
1976	81.0 AT 15:00 MST ON AUG 30	80.1 ON AUG 30	0.289B ON MAR 15	296 000	1976
1977	84.4 AT 20:00 MST ON JUN 5	84.1 ON JUN 5	0.592B ON MAR 28	388 000	1977
1978	97.4 AT 00:30 MST ON SEP 22	96.6 ON SEP 21	0.224B ON MAR 3	333 000	1978
1979	110 AT 21:00 MST ON JUL 7	109 ON JUL 7	0.350B ON MAR 1	545 000	1979
1980	38.2 AT 21:30 MST ON SEP 19	37.4 ON SEP 19	0.119B ON MAR 15	182 000	1980
1981	34.8 AT 09:00 MST ON JUL 25	34.8E ON JUL 25	0.245B ON MAR 6	187 000	1981
1982	47.7 AT 12:59 MST ON AUG 6	46.6 ON AUG 6	0.082B ON MAR 13 *	178 000	1982
1983	89.5 AT 15:15 MST ON JUL 21	88.0E ON JUL 31	0.094B ON MAR 7	328 000	1983
1984	78.5 AT 14:00 MST ON JUN 12	77.8 ON JUN 12	0.167B ON MAR 17	174 000	1984
				324 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	0.178	3.78	2.73	2.88	4.26	4.81	2.84	1.41	---	---	2.83	1976
1977	---	---	0.268	4.87	5.84	3.62	4.76	1.49	1.41	1.92	---	---	2.98	1977
1978	---	---	0.153	3.52	3.85	2.18	0.582	0.433	5.57	1.03	---	---	2.14	1978
1979	---	---	0.187	1.18	9.18	7.85	9.48	1.48	0.620	0.209	---	---	3.77	1979
1980	---	---	0.083	1.88	1.35	1.80	1.23	3.31	4.15	1.38	---	---	1.88	1980
1981	---	---	0.536	2.67	2.84	1.89	1.55	0.380	0.274	0.402	---	---	1.29	1981
1982	---	---	0.023	0.881	4.27	0.873	3.24	3.88	0.588	0.425	---	---	1.73	1982
1983	---	---	0.007	0.888	1.31	8.89	10.5	2.08	0.948	0.937	---	---	3.02	1983
1984	---	---	0.193	1.28	2.48	6.80	2.03	0.881	2.88	1.18	---	---	1.82	1984
MEAN	---	---	0.178	2.28	3.89	3.81	4.18	2.03	2.14	0.988	---	---	2.38	MEAN

LOCATION - LAT 55 17 00 N
LONG 114 48 30 W
DRAINAGE AREA, 233 km²
NATURAL FLOW

SAWRIDGE CREEK NEAR SLAVE LAKE - STATION NO. 07BK009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	37.4 AT 19:30 MST ON AUG 25	20.6 ON AUG 27	0.0458 ON MAR 3	50 000	1976
1977	39.1 AT 22:30 MST ON JUL 6	25.6 ON JUL 7	0.1038 ON MAR 22	62 600	1977
1978	58.3 AT 13:30 MST ON SEP 17	45.9 ON SEP 17	0.0488 ON MAR 5	45 300	1978
1979	79.6A AT 18:00 MST ON JUL 1	55.7 A ON JUN 14	0.0508 ON MAR 1	79 800	1979
1980	23.0 AT 01:00 MST ON AUG 8	16.3 ON AUG 8	0.0188 ON MAR 3	39 300	1980
1981	13.1 AT 00:30 MST ON APR 25	8.72 ON APR 25	0.0628 ON MAR 7	27 300	1981
1982	22.6 AT 07:09 MST ON AUG 4	20.7 ON AUG 4	0.0208 ON MAR 1	38 800	1982
1983	103 AT 23:00 MST ON JUN 25 *	57.1 ON JUL 27 *	0 B ON MAR 1 *	61 800	1983
1984	32.1 AT 19:30 MST ON JUN 7	21.9 ON JUN 7	0.0788 ON MAR 14	40 800	1984
				50 400	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	---	0.040	0.037	0.032	---	---	---	1912
1913	---	---	---	---	0.145	0.009	---	---	---	---	---	---	---	1913
1914	---	---	---	0.881	0.017	---	---	---	---	---	---	---	---	1914
1915	---	---	---	2.17	0.107	0.124	0.032	0.014	0.018	0.023	---	---	---	1915
1916	---	---	7.72	0.288	0.089	2.35	2.26	0.914	0.138	0.145	---	---	1.75	1916
1917	---	---	---	9.41	1.84	0.261	0.003	0	0	0	---	---	---	1917
1918	---	---	0.005	0.089	0.028	0.001	0	0	0	0	---	---	0.012	1918
1920	---	0	2.90	3.48	1.13	0.005	0.001	0	0	0.004	---	---	0.838	1920
1921	---	0.837	1.38	4.71	0.704	0.012	0.004	0	0.005	0.007	---	---	0.844	1921
1922	---	---	1.78	9.20	1.33	0.007	0.002	0	0	0.001	---	---	1.52	1922
1923	---	0.004	0.083	0.348	0.014	0.278	0.028	0.012	0	0.005	---	---	0.092	1923
1924	---	0.010	0.005	0.009	0	0	0	0.020	0	0.050	---	---	0.011	1924
1925	---	0.054	2.01	4.53	0.237	0.013	0.002	0.003	0.035	0.180	---	---	0.885	1925
1926	---	0.012	1.12	0.081	0.025	0.013	0.001	0.002	0.008	0.034	---	---	0.183	1926
1927	---	0.004	0.281	8.28	8.23	3.33	1.39	0.287	0.055	0.014	---	---	2.22	1927
1928	---	---	15.7	8.97	0.141	0.084	0.308	0.029	0.015	0.027	---	---	2.81	1928
1929	---	0	0.270	0.259	0.123	0.019	0.004	0	0.003	0.007	---	---	0.085	1929
1930	---	0.348	0.184	0.048	0.008	0.002	0	0	0.002	0.004	---	---	0.032	1930
1931	---	0.015	0.030	0.017	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	4.08	1.32	0.004	0	---	---	---	---	---	---	1935
1936	---	---	2.85	2.56	0.400	0.004	0	0	0	0	---	---	0.700	1936
1937	---	---	0.013	0.009	0.011	0.002	---	---	---	---	---	---	---	1937
1938	---	---	1.13	1.23	0.298	0.021	---	---	---	---	---	---	---	1938
1939	---	---	2.42	0.495	0.228	0.042	---	---	---	---	---	---	---	1939
1940	---	---	0.008	0.910	0.884	0.020	---	---	---	---	---	---	---	1940
1941	---	---	2.84	0.318	0.009	0.007	---	---	---	---	---	---	---	1941
1942	---	---	0.018	0.038	0.032	0.024	---	---	---	---	---	---	---	1942
1943	---	---	4.85	2.87	0.015	0.006	---	---	---	---	---	---	---	1943
1944	---	---	0.018	0.020	0.003	0.002	---	---	---	---	---	---	---	1944
1945	---	---	0.328	0.014	0.007	0.003	---	---	---	---	---	---	---	1945
1946	---	---	0.049	0.011	0.003	0.002	---	---	---	---	---	---	---	1946
1947	---	0.188	7.88	5.95	0.277	0.049	---	---	---	---	---	---	---	1947
1948	---	---	4.85	7.55	1.84	0.005	---	---	---	---	---	---	---	1948
1949	---	---	0.010	0.010	0.005	0.001	---	---	---	---	---	---	---	1949
1950	---	---	0.078	0.041	0.001	0	---	---	---	---	---	---	---	1950
1951	---	---	1.28	10.8	2.23	0.585	---	---	---	---	---	---	---	1951
1952	---	0.718	8.73	31.4	0.402	0.025	---	---	---	---	---	---	---	1952
1953	---	---	0.388	2.42	2.08	2.71	---	---	---	---	---	---	---	1953
1954	---	0.010	0.020	0.802	0.054	0.023	---	---	---	---	---	---	---	1954
1955	---	---	0.990	7.49	2.10	0.308	---	---	---	---	---	---	---	1955
1956	---	---	1.11	0.338	0.028	0.018	0.020	0.158	0.158	0.082	---	---	0.238	1956
1973	---	---	---	---	0.343	1.50	1.05	1.24	0.533	0.477	---	---	---	1973
1974	---	---	---	---	0.197	1.27	1.15	0.935	0.419	0.428	0.082	---	---	1974
1975	---	---	---	---	1.32	0.615	0.938	1.32	0.838	0.715	0.237	---	---	1975
1976	---	---	---	---	0.428	1.48	1.65	0.858	0.618	1.08	---	---	---	1976
1977	---	---	---	---	0.833	1.32	1.59	0.847	0.508	0.891	---	---	---	1977
1978	---	---	---	---	0.195	0.405	1.47	---	---	---	---	---	---	1978
1979	---	---	---	---	0.578	1.89	1.57	1.22	0.883	0.748	---	---	---	1979
1980	---	---	---	---	0.859	1.26	1.32	1.35	0.973	0.883	---	---	---	1980
1981	---	---	---	---	0.828	1.91	1.73	1.58	1.48	0.858	---	---	---	1981
1982	---	---	---	---	0.574	1.78	2.02	2.08	1.48	0.892	---	---	---	1982
1983	---	---	---	---	0.327	1.68	2.37	1.57	1.08	0.812	---	---	---	1983
1984	---	---	---	---	0.880	1.81	1.81	1.59	1.35	0.830	---	---	---	1984
MEAN	---	0.189	2.11	3.28	0.818	0.641	0.751	0.557	0.385	0.293	0.180	---	0.825	MEAN

LOCATION - LAT 50 01 25 N, LONG 110 41 02 W DRAINAGE AREA, 3 270 km^2 REGULATED SINCE 1955

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

SEVEN PERSONS CREEK AT MEDICINE HAT - STATION NO. 05AH005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---			
1913	---	---	0 ON JUL 24 *	---	1912
1914	---	11.3 ON APR 8	0 ON JUN 1	---	1913
		3.11 ON APR 8	0 ON MAY 20	---	1914
1915	---	---	---	---	
1916	---	12.7 ON APR 4		---	1915
1917	---	21.2 ON MAR 13	0.007 ON MAY 28	37 100	1916
		21.7 ON MAR 31	0 ON JUN 19	---	1917
1919	---	0.488 ON APR 27	0 B ON MAR 1	284	1919
1920	---	11.5 ON MAR 23	0 B ON MAR 1	19 800	1920
1921	---	14.2 ON APR 18	0 ON JUL 21	17 800	1921
1922	---	24.1 ON APR 24	0 B ON MAR 1	32 100	1922
1923	---	1.81 ON JUN 17	0 B ON MAR 5	1 950	1923
1924	---	0.309 ON OCT 12	0 B ON MAR 12	225	1924
1925	---	23.3 B ON MAR 31	0 B ON MAR 1	15 300	1925
1926	---	7.45 B ON MAR 7	0 B ON MAR 4	3 440	1926
1927	---	21.3 ON APR 27	0 ON SEP 4	47 000	1927
1928	---	54.4 ON MAR 23	0 B ON MAR 1	61 800	1928
1929	---	1.13 ON MAR 19	0 B ON MAR 1	1 810	1929
1930	---	0.9838 ON MAR 2	0 ON JUN 2	573	1930
1931	---	---	---	---	1931
1935	---	11.6 ON APR 19	0 ON JUN 3	---	1935
1936	---	14.8 B ON MAR 7	0 B ON MAR 1	14 800	1936
1937	---	---	0 B ON MAR 1	---	1937
1938	---	5.48 ON MAR 30	0 B ON MAR 1	---	1938
1939	19.3 B AT 08:00 MST ON MAR 21	12.5 B ON MAR 21	0 B ON MAR 1	---	1939
1940	10.1 AT 19:00 MST ON APR 25	8.15 ON APR 25	0 B ON MAR 1	---	1940
1941	11.7 AT 18:30 MST ON MAR 24	11.4 ON MAR 24	0 B ON MAR 1	---	1941
1942	---	---	0 ON MAR 1	---	1942
1943	46.2 AT 08:00 MST ON MAR 25	28.2 ON MAR 25	0 ON MAR 1	---	1943
1944	---	---	0 B ON MAR 1	---	1944
1945	4.258 AT 20:00 MST ON MAR 10	1.76 B ON MAR 11	0 B ON MAR 1	---	1945
1946	---	---	0 ON MAY 9	---	1946
1947	48.4 ON MAR 22	41.1 ON MAR 24	0 B ON MAR 1	---	1947
1948	39.1 B ON MAR 22	21.9 B ON MAR 22	0 B ON MAR 1	---	1948
1949	---	---	0 B ON MAR 1	---	1949
1950	---	---	0 B ON MAR 11	---	1950
1951	33.4 B AT 19:00 MST ON MAR 31	28.9 B ON APR 1	0 B ON MAR 1	---	1951
1952	138 ON MAR 31 *	119 ON MAR 31 *	0 B ON MAR 1	---	1952
1953	15.0 AT 18:00 MST ON JUN 4	11.5 ON JUN 7	0 B ON MAR 1	---	1953
1954	---	4.84 ON APR 8	0 B ON MAR 1	---	1954
1955	15.9 B AT 05:00 MST ON MAR 31	13.1 B ON MAR 31	0 B ON MAR 23	---	1955
1956	6.208 AT 14:00 MST ON MAR 20	5.66 B ON MAR 20	0 B ON MAR 1	6 050	1956
1973	---	6.31 ON JUN 18	---	---	1973
1974	---	3.37 ON JUN 28	---	---	1974
1975	---	---	---	---	
1976	8.95 AT 05:10 MST ON JUL 13	4.62 ON JUL 13	---	---	1975
1977	---	2.41 ON MAY 18	---	---	1976
1978	---	---	---	---	1977
1979	---	2.78 ON JUN 20	0 ON MAY 20	---	1978
			---	---	1979
1980	4.44 AT 23:55 MST ON JUN 27	3.35 ON MAY 28	0 E ON MAY 1	---	1980
1981	5.34 AT 17:10 MST ON JUN 14	4.37 ON JUN 15	---	---	1981
1982	17.8 AT 01:44 MST ON JUN 30	---	---	---	1982
1983	14.7 AT 14:00 MST ON JUL 20	---	---	---	1983
1984	3.83 AT 19:57 MST ON JUN 22	3.16 ON JUL 31	---	---	1984
				17 500	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SEVEN PERSONS CREEK NEAR SEVEN PERSONS - STATION NO. 05AH033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1920	---	---	---	---	0.824	0	0.070	---	---	---	---	---	---	1920
1921	---	---	0.672	3.39	0.522	0.005	0	---	---	---	---	---	---	1921
1922	---	---	0.932	5.83	1.11	0.014	0	0	---	---	---	---	---	1922
1923	---	---	0	0.409	0.011	0.005	0.011	---	---	---	---	---	---	1923
1924	---	0	0	0	0	0	0	0	0	0	---	---	0	1924
1925	---	---	1.46	2.19	0.118	0.008	0	0	0	0	---	---	0.488	1925
1926	---	0	0.981	0.108	0	0	---	---	---	---	---	---	---	1926
1927	---	0	0.023	3.01	1.84	0.898	0.082	0.001	0	0	---	---	0.712	1927
1928	---	---	7.09	0.858	0.088	0.003	0.183	0	0	0	---	---	1.05	1928
1929	---	0	0.137	0.771	0.410	0.015	---	---	---	---	---	---	---	1929
1930	---	0.258	0.074	0.258	0.080	0	0	0	0.003	0	---	---	0.048	1930
1931	---	0	0	0	---	---	---	---	---	---	---	---	---	1931
1938	---	---	0.813	---	0.380	0	---	---	---	---	---	---	---	1938
MEAN	---	0.043	1.04	1.83	0.437	0.082	0.038	0	0.001	0	---	---	0.458	MEAN

LOCATION - LAT 49 50 00 N, LONG 110 54 00 W
DRAINAGE AREA, 2 550 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

SEVEN PERSONS CREEK NEAR SEVEN PERSONS - STATION NO. 05AH033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1920	---	---	0 ON MAY 30 *	---	1920
1921	---	15.0 ON APR 16	0 ON JUN 12	---	1921
1922	---	14.0 ON APR 23	0B ON MAR 1	---	1922
1923	---	1.70 ON APR 15	0B ON MAR 1	---	1923
1924	---	0 B ON MAR 1	0B ON MAR 1	0	1924
1925	---	18.0 ON MAR 31	0B ON MAR 1	9 920	1925
1926	---	4.70 B ON MAR 6	0B ON MAR 1	---	1926
1927	---	11.8 ON APR 28	0B ON MAR 1	15 100	1927
1928	---	32.6 ON MAR 24 *	0B ON MAR 1	22 200	1928
1929	---	3.74 B ON APR 2	0B ON MAR 1	---	1929
1930	---	0.450 ON APR 9	0B ON MAR 19	1 030	1930
1931	---	---	0 ON MAR 1	---	1931
1938	---	7.19 B ON MAR 3	0B ON MAR 1	---	1938
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 650	MEAN

SEVEN PERSONS CREEK NEAR WHITLA - STATION NO. 05AH039

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1938	---	---	0.472	---	0.054	0	---	---	---	---	---	---	---	1938
MEAN	---	---	0.472	---	0.054	0	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 46 00 N LONG 111 03 00 W
DRAINAGE AREA, 2 280 km^2
NATURAL FLOW

SEVEN PERSONS CREEK NEAR WHITLA - STATION NO. 05AH039

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1938	---	2.38 ON APR 19 *	0B ON MAR 1 *	---	1938
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SEVERN CREEK NEAR ROSEBUD - STATION NO. 05CE009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.042	0.143	0.051	0.070	---	---	---	1965
1966	---	---	1.87	0.111	0.008	0.054	1.31	0.018	0.008	0.045	---	---	0.433	1966
1967	---	---	0.808	0.904	0.107	0.090	0.012	0.004	0.182	0	---	---	0.237	1967
1968	---	---	0.039	0.009	0.003	0.008	0.018	0.004	0.027	0.002	---	---	0.013	1968
1969	---	---	0.126	1.43	0.010	0.104	0	0	0	0	---	---	0.205	1969
1970	---	---	0.108	0.029	0.007	0.253	0.048	0	0	0.028	---	---	0.058	1970
MEAN	---	---	0.549	0.497	0.027	0.102	0.238	0.028	0.048	0.024	---	---	0.189	MEAN

LOCATION - LAT 51 15 07 N LONG 112 58 51 W
DRAINAGE AREA, 158 km^2
NATURAL FLOW

SEVERN CREEK NEAR ROSEBUD - STATION NO. 05CE009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	0 ON JUL 12 *	---	1965
1966	89.4 ON JUL 3 *	20.1 ON JUL 3 *	0B ON MAR 1	9 180	1966
1967	---	3.26 B ON APR 3	0 ON AUG 28	5 020	1967
1968	---	0.283E ON SEP 23	0E ON MAY 1	285	1968
1969	---	8.50 ON APR 3	0B ON MAR 1	4 340	1969
1970	---	1.53 ON JUN 17	0B ON MAR 1	1 220	1970
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		4 010	MEAN

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	0	0	0	0	---	---	---	1976
1977	---	---	0	0.001	0.005	0	0	0	0	0	---	---	0.001	1977
1978	---	---	0.026	0.026	0.006	0.006	0	0.002	0.001	0.005	---	---	0.009	1978
1979	---	---	0.018	0.009	0.009	0.001	0	0	0	0	---	---	0.005	1979
1980	---	---	0.003	0.007	0.001	0.018	0.004	0.003	0	0	---	---	0.005	1980
1981	---	---	0	0.001	0.024	0.006	0.006	0.002	0	0	---	---	0.005	1981
1982	---	---	0.017	0.027	0.008	0.005	0.009	0	0	0	---	---	0.008	1982
1983	---	---	0	0.004	0.003	0	0	0	0	0	---	---	0.001	1983
1984	---	---	0.002	0.001	0.002	0.004	0	0	0	0	---	---	0.001	1984
MEAN	---	---	0.008	0.010	0.007	0.005	0.002	0.001	0	0.001	---	---	0.004	MEAN

LOCATION - LAT 51 33 44 N DRAINAGE AREA, 38.3 km²
LONG 114 02 09 W NATURAL FLOW

SHEEP COULEE NEAR CARSTAIRS - STATION NO. 05CE019

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---			
1977	0.017 AT 23:00 MST ON MAY 5	0.013 ON MAY 8	0 ON JUL 1 *	---	1976
1978	0.3098 AT 19:00 MST ON MAR 28	0.1988 ON MAR 27 *	0B ON MAR 1	14.7	1977
1979	0.124 AT 11:00 MST ON MAR 8	0.082A ON MAR 8	0B ON MAR 1	193	1978
			0B ON MAR 1	98.2	1979
1980	0.483 AT 19:30 MST ON JUN 18 *	0.188 ON JUN 18	0B ON MAR 1	102	1980
1981	0.082 AT 05:55 MST ON MAY 8	0.082 ON MAY 8	0B ON MAR 1	103	1981
1982	---	0.188A ON APR 13	0B ON MAR 1	178	1982
1983	0.037 AT 10:41 MST ON APR 27	0.036 ON APR 27	0B ON MAR 1	18.0	1983
1984	0.017 AT 11:48 MST ON MAR 23	0.013 ON JUN 8	0B ON MAR 1	20.8	1984
				90.4	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	5.48	3.28	2.21	---	---	---	1909
1910	---	---	---	---	---	7.97	3.83	3.59	8.47	3.84	---	---	---	1910
1911	---	---	---	2.78	8.10	17.2	7.08	15.4	12.7	4.58	---	---	---	1911
1912	---	---	---	5.70	7.81	14.2	22.3	7.08	3.78	3.82	---	---	---	1912
1913	---	---	---	---	7.07	15.1	5.80	5.77	4.84	3.18	---	---	---	1913
1914	---	---	---	3.07	5.80	11.7	5.84	2.85	3.02	4.46	---	---	---	1914
1915	---	---	---	2.80	28.8	43.2	28.8	11.1	5.48	5.30	---	---	---	1915
1916	---	---	---	---	9.53	83.4	21.7	28.2	13.0	6.86	---	---	---	1916
1988	---	---	---	---	---	---	---	---	---	---	---	1.41	---	1988
1989	1.08	1.08	1.63	5.83	18.1	29.2	28.6	4.04	2.50	2.07	1.50	1.01	7.89	1989
1970	0.771	0.718	0.677	1.87	11.8	26.9	7.72	2.30	1.78	1.22	1.08	0.908	4.81	1970
1971	0.728	0.752	0.682	3.85	13.7	31.1	5.81	2.68	2.34	2.11	1.31	0.703	4.88	1971
1972	0.858	0.757	2.25	3.88	16.3	20.8	5.80	4.88	2.88	2.18	1.48	1.21	5.81	1972
1973	1.05	0.880	1.21	2.30	11.5	16.9	5.85	3.15	3.87	2.02	1.33	1.10	4.24	1973
1974	0.903	0.908	1.12	4.88	16.0	28.8	7.50	5.24	5.84	3.27	1.81	1.41	8.87	1974
1975	1.05	0.904	0.848	2.58	9.58	21.5	11.0	4.88	2.80	1.97	1.38	1.34	4.98	1975
1976	1.05	0.883	1.08	2.88	8.78	7.21	5.25	8.78	3.85	2.30	1.38	1.14	3.81	1976
1977	0.874	0.875	1.03	2.12	4.43	4.28	2.43	5.87	3.83	2.87	1.13	0.888	2.50	1977
1978	0.926	0.730	1.81	3.88	10.8	10.8	12.4	5.13	3.80	2.48	1.77	1.44	5.38	1978
1979	1.07	0.873	1.44	2.81	9.88	9.18	4.86	3.48	2.12	1.44	1.01	1.10	3.25	1979
1980	0.845	0.888	0.788	4.87	11.8	21.8	4.85	5.84	4.42	2.89	1.88	1.88	5.15	1980
1981	1.32	1.18	1.38	1.72	27.1	20.7	11.4	5.84	2.81	2.03	1.38	0.971	5.87	1981
1982	0.884	0.751	0.748	2.00	4.75	15.7	5.28	2.28	2.88	2.79	1.35	0.884	3.40	1982
1983	0.838	0.880	0.874	3.82	10.5	9.28	5.07	2.83	1.84	1.81	1.12	0.743	3.37	1983
1984	0.780	0.887	0.785	1.81	4.17	10.3	4.01	2.18	1.85	2.18	1.11	0.787	2.83	1984
MEAN	0.914	0.874	1.18	3.43	11.7	18.8	8.98	6.38	4.22	2.87	1.37	1.12	4.87	MEAN

LOCATION - LAT 50 41 14 N DRAINAGE AREA, 885 km²
LONG 114 14 34 W NATURAL FLOW

SHEEP RIVER AT BLACK DIAMOND - STATION NO. 05BL014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	---	---	---	1910
1911	---	68.8 ON AUG 7	---	---	1911
1912	---	81.6 ON JUL 8	---	---	1912
1913	---	28.4 ON JUN 28	---	---	1913
1914	---	19.3 ON JUN 4	---	---	1914
1915	---	133 ON JUN 26	---	---	1915
1916	---	200 ON JUN 28 *	---	---	1916
1968	---	---	---	---	1968
1969	---	98.3E ON JUN 29	0.348 ON DEC 8	252 000	1969
1970	195 AT 04:59 MST ON JUN 14 *	122 ON JUN 14	0.528 ON MAR 1	182 000	1970
1971	82.0 AT 07:00 MST ON JUN 8	71.9 ON JUN 8	0.8468 ON DEC 28	147 000	1971
1972	45.9 AT 02:00 MST ON JUN 1	41.1 ON JUN 1	0.647 ON JAN 11	174 000	1972
1973	38.4 AT 02:00 MST ON JUN 7	34.0 ON JUN 7	0.677 ON NOV 8	134 000	1973
1974	55.8 AT 24:00 MST ON JUN 15	50.7 ON JUN 15	0.731 ON MAR 23	207 000	1974
1975	104 AT 02:30 MST ON JUN 20	83.8 ON JUN 20	0.841 ON JAN 17	187 000	1975
1976	45.0 AT 03:00 MST ON AUG 8	32.3 ON AUG 8	0.606 ON NOV 22	121 000	1976
1977	20.8 AT 08:30 MST ON AUG 13	15.2 ON AUG 14	0.686 ON NOV 18	78 900	1977
1978	53.2 AT 24:00 MST ON JUN 4	43.3 ON JUN 6	0.814 ON FEB 26	170 000	1978
1979	39.6 AT 02:00 MST ON MAY 27	29.6 ON MAY 27	0.486 ON NOV 20	102 000	1979
1980	69.1 AT 22:30 MST ON JUN 3	58.2 ON JUN 3	0.690 ON APR 1	183 000	1980
1981	122 AT 02:00 MST ON MAY 26	87.0 ON MAY 26	0.7888 ON DEC 31	207 000	1981
1982	26.3 AT 23:51 MST ON JUN 14	21.6 ON JUN 15	0.5308 ON JAN 7	107 000	1982
1983	47.0 AT 01:26 MST ON APR 25	24.7 ON APR 25	0.333 ON NOV 23 *	108 000	1983
1984	24.6 AT 00:19 MST ON MAY 31	15.1 ON MAY 31	0.5808 ON DEC 27	79 900	1984
				147 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT BUCK RANCH - STATION NO. 05BL018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1950	---	---	---	---	---	---	---	4.52	2.10	1.64	---	---	---	1950
1951	---	---	---	---	16.1	27.2	24.9	11.7	10.8	8.87	---	---	---	1951
1952	---	---	---	14.0	13.8	17.7	11.8	8.83	4.40	2.67	---	---	---	1952
1953	---	---	1.43	2.22	15.1	43.2	14.4	4.73	2.31	1.92	---	---	10.6	1953
1954	---	---	0.595	11.4	19.1	17.0	10.4	7.50	5.76	5.11	---	---	9.71	1954
1955	---	---	0.810	2.68	10.0	15.8	10.9	2.83	2.09	2.20	---	---	5.98	1955
1956	---	---	0.882	5.38	13.8	13.1	14.3	4.04	3.88	1.82	---	---	7.01	1956
1957	---	---	1.18	8.57	14.4	11.1	3.89	2.82	3.21	2.44	---	---	5.05	1957
1958	---	---	0.809	12.3	18.4	14.5	18.4	8.27	3.25	3.22	---	---	8.84	1958
1959	---	---	0.890	1.77	7.84	15.0	7.08	3.40	3.98	2.98	---	---	5.30	1959
1960	---	---	2.88	2.87	11.0	14.5	8.09	4.81	1.97	1.64	---	---	5.87	1960
1961	---	---	0.748	1.02	15.2	13.3	7.18	5.06	3.88	8.63	---	---	5.78	1961
1962	---	---	1.21	5.04	8.48	12.0	5.04	2.83	3.43	1.98	---	---	4.87	1962
1963	---	---	1.01	1.73	8.83	25.0	8.88	3.52	2.66	2.11	---	---	6.52	1963
1964	---	---	0.888	1.42	11.2	29.6	7.78	2.88	2.93	2.68	---	---	7.38	1964
1965	---	---	0.583	3.70	8.63	24.5	15.3	8.88	8.78	8.22	---	---	8.83	1965
1966	---	---	1.30	2.32	11.8	18.6	8.18	4.15	2.74	2.50	---	---	5.20	1966
1967	---	---	0.637	1.06	16.9	39.3	11.0	3.45	2.38	1.64	---	---	9.52	1967
1968	---	---	0.764	1.28	8.89	19.9	7.81	5.14	5.14	4.98	---	---	8.46	1968
1969	---	---	---	---	14.2	28.5	26.3	3.97	2.49	1.88	---	---	---	1969
MEAN	---	---	1.04	4.70	12.8	21.0	11.8	5.11	4.20	3.26	---	---	7.30	MEAN

LOCATION - LAT 50 37 20 N, LONG 114 25 40 W
DRAINAGE AREA, 484 km^2
NATURAL FLOW

SHEEP RIVER AT BUCK RANCH - STATION NO. 05BL018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1950	---	---	---	---	1950
1951	108 ON JUL 8	81.3 ON AUG 30	---	---	1951
1952	82.0 ON JUN 12	40.2 ON JUN 12	---	---	1952
1953	104 ON JUN 13	81.3 ON JUN 8	0.4538 ON MAR 1	228 000	1953
1954	38.7 ON MAY 19	30.38 ON MAY 8	0.2838 ON MAR 11 *	208 000	1954
1955	48.2 ON MAY 19	28.6 ON MAY 19	0.8508 ON MAR 1	128 000	1955
1956	49.8 ON JUL 3	37.7 ON JUL 4	0.7658 ON MAR 17	148 000	1956
1957	58.28 ON APR 28	37.88 ON APR 28	0.8518 ON MAR 1	128 000	1957
1958	52.48 ON APR 13	40.88 ON APR 13	0.8888 ON MAR 11	204 000	1958
1959	38.0 ON JUN 27	29.2 ON JUN 27	0.3888 ON MAR 14	112 000	1959
1960	38.8 ON MAY 11	30.0 ON MAY 12	0.8218 ON MAR 14	120 000	1960
1961	58.3 AT 05:00 MST ON MAY 27	47.3 ON MAY 27	0.4258 ON MAR 7	143 000	1961
1962	26.3 AT 23:00 MST ON JUN 15	21.1 ON JUN 15	0.8918 ON MAR 4	105 000	1962
1963	340 AT 16:00 MST ON JUN 29 *	133 ON JUN 29	0.5618 ON MAR 8	138 000	1963
1964	110 AT 01:00 MST ON JUN 8	72.8 ON JUN 8	0.7788 ON MAR 30	188 000	1964
1965	---	82.6 ON JUN 18	0.3888 ON MAR 1	188 000	1965
1966	36.8 AT 02:00 MST ON JUN 5	31.4 ON JUN 5	0.9638 ON MAR 4	131 000	1966
1967	303 AT 20:00 MST ON MAY 30	187 ON MAY 30 *	0.5448 ON APR 5	202 000	1967
1968	---	46.2 ON JUN 10	0.6405 ON MAR 18	137 000	1968
1969	126 AT 02:13 MST ON JUN 28	85.1 ON JUN 29	---	---	1969
				164 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	27.5	87.8	12.8	5.31	3.48	5.43	---	---	---	1908
1909	---	---	---	---	---	57.1	29.3	9.00	3.68	2.51	---	---	---	1909
1910	---	---	---	---	---	---	---	---	---	---	---	---	---	1910
1911	---	---	---	3.17	7.12	7.10	3.37	3.25	5.94	4.40	---	---	---	1911
1912	---	---	---	7.73	15.0	24.2	10.8	24.2	19.5	7.95	---	---	---	1912
1913	---	---	---	---	14.4	26.8	47.6	11.0	8.28	7.48	---	---	---	1913
1914	---	---	---	9.83	13.2	20.8	13.1	11.7	5.48	4.19	---	---	---	1914
1915	---	---	---	---	14.8	15.9	9.35	3.81	3.04	5.89	---	---	---	1915
1916	---	---	---	3.51	37.7	75.3 R	111	24.0	13.2	10.8	---	---	---	1916
1917	1.48	0.626	1.30	12.0	28.6	87.1	31.8	40.8	24.0	10.0	9.47	3.09	---	1917
1918	0.912	1.21	5.61	4.89	38.9	80.8	14.1	7.81	4.48	2.88	2.48	1.32	11.7	1918
1919	1.14	0.833	0.910	3.88	8.58	14.3	6.85	5.88	4.34	2.98	2.34	1.83	4.82	1919
1920	1.15	0.821	1.78	4.05	12.2	7.80	3.40	12.3	3.21	2.53	0.972	1.16	4.22	1920
1985	---	---	---	---	---	---	---	---	---	---	---	---	---	1985
1986	1.56	2.14	5.46	13.0	17.8	28.6	17.8	8.98	3.88	9.22	3.18	2.02	---	1986
1987	1.05	0.823	1.98	7.82	47.0	58.7	11.0	4.41	2.52	2.81	1.85	0.800	8.53	1987
1988	0.704	0.803	1.58	2.80	10.7	22.8	9.10	6.27	5.65	1.79	1.30	0.883	11.5	1988
MEAN	1.14	0.994	2.88	6.57	21.0	38.7 R	22.1	11.9	7.31	5.52	3.00	1.53	8.17	MEAN

LOCATION - LAT 50 43 17 N
LONG 113 58 51 W

DRAINAGE AREA, 1 500 km²
NATURAL FLOW

R - REVISED SINCE JAN 1980

SHEEP RIVER AT OKOTOKS - STATION NO. 05BL012

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	218 ON JUN 2	---	---	1908
1909	---	95.0 ON MAY 25	---	---	1909
1910	---	---	---	---	1910
1911	---	11.6 ON MAY 26	---	---	1911
1912	---	88.2 ON AUG 8	---	---	1912
1913	---	154 ON JUN 16	---	---	1913
1914	---	44.7 ON JUN 28	---	---	1914
1915	---	24.2 ON JUN 4	---	---	1915
1916	---	524 ON JUL 15 *	---	---	1916
1917	---	285 ON AUG 18	---	---	1917
1918	---	154 ON JUN 3	0.0858 ON FEB 2 *	370 000	1918
1919	---	24.8 ON JUN 10	0.5108 ON FEB 19	155 000	1919
1920	---	55.5 ON AUG 4	0.5108 ON FEB 19	133 000	1920
1985	---	---	0.6808 ON FEB 3	---	1985
1986	---	---	---	---	1986
1987	---	80.9 ON JUN 5	0.2838 ON DEC 4	269 000	1987
1988	---	478 ON MAY 31	0.5808 ON MAR 11	362 000	1988
		82.0 ON JUN 8	---	---	
				258 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHEEP RIVER NEAR ALDERSYDE - STATION NO. 05BL020

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1957	---	---	---	---	---	---	---	---	3.59	3.15	2.60	1.19	---	1957
1958	0.989	0.887	1.27	19.3	25.5	20.7	24.2	7.20	3.81	2.40	1.74	2.05	9.22	1958
1959	1.52	1.32	2.88	4.08	14.5	20.3	8.35	3.78	4.54	3.93	2.87	3.59	5.84	1959
1960	0.738	2.58	5.98	5.81	17.4	17.0	8.89	4.87	1.79	1.55	1.00	0.951	5.83	1960
1961	0.620	0.793	1.33	2.20	22.7	15.0	7.82	6.87	4.28	9.72	4.03	1.43	6.46	1961
1962	1.56	1.34	2.58	12.5	14.7	15.5	8.82	2.86	3.72	2.13	1.30	1.24	5.48	1962
1963	0.852	3.34	1.89	2.28	8.10	39.8	27.2	8.07	3.74	2.28	1.30	2.03	8.16	1963
1964	1.08	1.02	1.54	3.10	26.2	35.8	7.74	2.55	3.58	3.02	1.84	0.702	7.32	1964
1985	0.332	0.288	4.85	14.8	9.05	48.8	31.4	10.4	11.8	---	---	---	---	1985
MEAN	0.982	1.44	2.88	8.00	17.3	25.7	14.9	6.42	4.54	3.52	2.07	1.85	6.89	MEAN

LOCATION - LAT 50 42 45 N
LONG 113 52 50 W

DRAINAGE AREA, 1 570 km²
NATURAL FLOW

SHEEP RIVER NEAR ALDERSYDE - STATION NO. 05BL020

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1957	---	---	---	---	1957
1958	88.7 AT 10:00 MST ON APR 14	88.7 ON APR 14	0.4538 ON FEB 8	281 000	1958
1959	80.7 AT 20:20 MST ON JUN 27	57.8 ON JUN 27	0.8238 ON FEB 8	188 000	1959
1960	---	38.4 ON MAY 12	0.3118 ON JAN 13	178 000	1960
1961	82.3 AT 20:00 MST ON MAY 27	55.5 ON MAY 27	0.4538 ON JAN 28	204 000	1961
1962	44.7 AT 03:00 MST ON APR 18	38.5 ON MAY 21	0.3238 ON FEB 21	172 000	1962
1963	507 AT 10:00 MST ON JUN 30 *	320 ON JUN 30 *	0.2788 ON JAN 8	257 000	1963
1964	---	91.7A ON JUN 8	0.1308 ON DEC 24	231 000	1964
1985	---	191 ON JUN 18	0.0858 ON FEB 1 *	---	1985
				217 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHOAL CREEK NEAR LINARIA - STATION NO. 07BC004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.227	0.023	0.006	0.003	0.006	0	0	0	---	---	0.034	1968
1969	---	---	0	2.40	0.358	0.016	0.283	2.06	2.01	1.02	---	---	1.01	1969
1970	---	---	0	4.81	0.748	0.491	0.434	0.245	0.087	0.025	---	---	0.843	1970
1971	---	---	0	2.32	0.258	0.694	4.46	0.997	0.374	0.847	---	---	1.22	1971
1972	---	---	0.001	3.97	2.07	0.330	0.243	0.178	0.071	0.095	---	---	0.882	1972
1973	---	---	0.538	0.886	0.176	0.580	0.303	0.239	0.201	0.526	---	---	0.404	1973
1975	---	---	0	0.845	0.265	0.820	0.783	0.272	0.301	0.128	---	---	0.424	1975
1976	---	---	0.293	1.38	0.178	---	---	0.207	0	0.380	---	---	---	1976
1977	---	---	0	0.548	0.218	1.04	0.890	0.882	0.257	0.189	---	---	0.501	1977
1978	---	---	0.458	1.24	---	---	---	---	---	---	---	---	---	1978
MEAN	---	---	0.152	1.82	0.477	0.494	0.923	0.585	0.387	0.335	---	---	0.882	MEAN

LOCATION - LAT 54 18 50 N DRAINAGE AREA, 425 km²
LONG 114 12 04 W NATURAL FLOW

SHOAL CREEK NEAR LINARIA - STATION NO. 07BC004

ANNUAL EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	0.714 AT 10:15 MST ON MAR 25	0.5138 ON MAR 5	0 ON JUN 25 *	718	1968
1969	13.8 AT 07:00 MST ON APR 13	13.3 ON APR 13	0B ON MAR 1	21 500	1969
1970	18.5 AT 23:00 MST ON APR 13 *	17.5 ON APR 13 *	0B ON MAR 1	17 900	1970
1971	17.9 B AT 20:00 MST ON APR 20	16.0 ON APR 21	0B ON MAR 1	25 800	1971
1972	13.3 B AT 01:30 MST ON APR 21	12.3 B ON APR 21	0B ON MAR 1	18 300	1972
1973	4.16 B AT 13:00 MST ON APR 1	3.54 B ON MAR 31	0B ON MAR 1	8 540	1973
1975	4.64 B AT 11:30 MST ON APR 20	4.33 B ON APR 20	0B ON MAR 1	8 970	1975
1976	3.88 B AT 14:00 MST ON APR 6	3.31 B ON APR 6	0B ON MAR 1	---	1976
1977	4.13 AT 11:30 MST ON JUN 3	3.85 ON JUN 3	0B ON MAR 1	10 800	1977
1978	---	---	0B ON MAR 1	---	1978
				14 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SHUNDA CREEK NEAR SAUNDERS - STATION NO. 05DC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	17.3	---	---	1.40	1.88	0.870	0.526	---	1915
1916	0.335	0.481	0.574	0.779	2.85	5.83	7.14	5.30	4.95	2.31	1.05	0.543	2.77	1916
1917	0.531	0.428	0.385	0.718	7.84	5.83	3.81	1.29	1.81	1.03	0.785	0.820	2.15	1917
1918	0.524	0.553	0.581	---	---	---	---	---	---	---	---	---	---	1918
MEAN	0.463	0.481	0.514	0.749	5.35	9.99	5.36	3.80	2.65	1.87	0.835	0.583	2.46	MEAN

LOCATION - LAT 52 28 42 N DRAINAGE AREA, 283 km²
LONG 115 46 50 W NATURAL FLOW

SHUNDA CREEK NEAR SAUNDERS - STATION NO. 05DC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	87.1 ON JUN 27 *	---	---	1915
1916	---	25.0 ON AUG 18	0.3118 ON JAN 10	87 500	1916
1917	---	24.0 ON MAY 28	0.283 ON APR 29 *	87 800	1917
1918	---	---	---	---	1918
				77 700	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	6.58	18.0	27.6	13.9	---	3.75	---	---	---	1975
1976	---	---	---	---	10.9	---	---	---	---	---	---	---	---	1976
1977	---	---	---	---	---	34.2	17.6	17.9	8.20	3.15	---	---	---	1977
1978	---	---	---	---	8.10	28.3	31.3	18.1	14.9	5.18	---	---	18.9	1978
1979	---	---	---	---	8.81	23.6	23.1	14.9	8.22	4.73	---	---	13.7	1979
1980	---	---	---	---	17.7	29.7	23.2	13.1	8.31	5.62	---	---	18.2	1980
1981	---	---	---	---	15.6	19.7	38.3	24.7	8.12	3.91	---	---	18.1	1981
1982	---	---	---	---	5.78	28.8	27.1	16.8	12.6	5.52	---	---	16.0	1982
1983	---	---	---	---	8.38	20.6	23.2	15.9	8.00	4.05	---	---	13.3	1983
1984	---	---	---	---	3.64	23.0	22.3	17.1	9.79	5.25	---	---	13.6	1984
MEAN	---	---	---	---	8.88	23.8	26.0	16.7	9.89	4.58	---	---	16.4	MEAN

LOCATION - LAT 52 02 50 N DRAINAGE AREA, 518 km²
LONG 116 23 25 W NATURAL FLOW

SIFFLEUR RIVER NEAR THE MOUTH - STATION NO. 05DA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	42.5 AT 05:30 MST ON JUL 14	39.1 ON JUL 7	---	---	1975
1976	42.8 AT 00:00 MST ON JUL 1	40.2 ON JUL 1	---	---	1976
1977	48.3 AT 00:30 MST ON JUN 8	47.6 ON JUN 8	---	---	1977
1978	47.3 AT 05:00 MST ON JUN 5	44.2 ON JUN 6	3.23 ON MAY 5	289 000	1978
1979	39.0 AT 23:30 MST ON MAY 28	33.8 ON JUN 12	2.21 ON MAY 8	217 000	1979
1980	59.0 AT 14:55 MST ON JUN 15	53.5 ON JUN 15	3.93 ON OCT 30	258 000	1980
1981	62.3 AT 19:55 MST ON JUL 14 *	60.7 ON JUL 15 *	2.50E ON OCT 31	288 000	1981
1982	42.8 AT 20:50 MST ON JUN 22	40.0 ON JUN 22	1.54 ON MAY 9 *	255 000	1982
1983	41.4 AT 01:30 MST ON JUL 7	35.4 ON MAY 30	2.25E ON MAY 1	212 000	1983
1984	47.0 AT 18:15 MST ON JUN 29	44.2 ON JUN 29	1.59B ON MAY 1	216 000	1984
				248 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 05DA010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.043	0.080	0.553	1.36	1.42	0.812	0.347	0.202	0.098	0.021	---	1971
1972	0.026	0.042	0.028	0.034	1.23	1.88	1.43	1.04	0.424	0.220	0.101	0.110	0.557	1972
1973	0.098	0.034	0.028	0.028	0.533	0.930	1.28	0.703	0.520	0.040	0.065	0.045	0.359	1973
1974	0.037	0.038	0.029	0.080	---	1.96	1.81	---	---	---	0.072	0.048	---	1974
1975	0.041	0.034	0.025	0.021	0.185	0.842	2.50	0.742	0.301	0.123	0.090	0.054	0.418	1975
1976	0.043	0.033	0.038	0.045	0.572	1.00	2.12	1.05	0.882	0.232	0.184	0.045	0.520	1976
1977	0.037	0.034	0.022	0.108	0.349	2.12	0.874	0.598	0.329	0.144	0.074	0.041	0.385	1977
1978	0.033	0.021	0.018	0.078	0.341	2.40	2.77	0.890	0.780	0.323	0.104	0.081	0.632	1978
1979	0.043	0.059	0.048	0.035	0.407	1.78	2.19	0.875	0.433	0.188	0.058	0.087	0.518	1979
1980	0.064	0.045	0.038	0.172	0.788	1.36	0.944	0.451	0.285	0.217	0.080	0.084	0.375	1980
1981	0.048	0.048	0.047	0.058	0.770	0.887	1.97	0.958	0.390	0.184	0.083	0.074	0.446	1981
1982	0.076	0.040	0.030	0.032	0.280	1.92	1.80	0.827	0.711	0.258	0.114	0.073	0.474	1982
1983	0.053	0.046	0.044	0.057	0.440	0.955	1.12	0.842	0.275	0.131	0.128	0.083	0.323	1983
1984	0.071	0.042	0.030	0.041	0.174	1.17	1.54	0.748	0.432	0.222	0.084	0.058	0.385	1984
MEAN	0.051	0.038	0.033	0.080	0.511	1.46	1.87	0.784	0.470	0.188	0.094	0.081	0.451	MEAN

LOCATION - LAT 51 47 58 N LONG 116 34 55 W
DRAINAGE AREA, 20.7 km^2
NATURAL FLOW

SILVERHORN CREEK NEAR THE MOUTH - STATION NO. 05DA010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	3.28 AT 20:30 MST ON JUL 18	2.78 ON JUN 23	---	---	1971
1972	4.87 AT 23:30 MST ON JUN 10	3.77 ON JUN 10	0.0288 ON JAN 1	17 800	1972
1973	2.88 AT 17:00 MST ON JUN 23	2.27 ON JUN 24	0.0208 ON MAR 29	11 300	1973
1974	4.82 AT 02:30 MST ON JUN 24	4.25 ON JUN 24	---	---	1974
1975	8.12 AT 18:30 MST ON JUL 5	5.52 ON JUL 5	0.0148 ON APR 21 *	13 200	1975
1976	8.24 AT 22:00 MST ON JUN 30	6.00 ON JUN 30	0.0318 ON FEB 19	16 400	1976
1977	11.3 AT 18:30 MST ON JUN 7 *	9.83 ON JUN 8 *	0.0198 ON MAR 13	12 500	1977
1978	8.03 AT 02:00 MST ON JUN 30	6.34 ON JUL 5	0.0188 ON MAR 10	19 900	1978
1979	8.22 AT 21:00 MST ON JUN 28	5.24 ON JUN 28	0.0288 ON NOV 30	15 300	1979
1980	3.38B AT 18:30 MST ON APR 27	2.84 ON JUN 15	0.0318 ON MAR 15	11 800	1980
1981	3.12 AT 19:25 MST ON JUL 15	3.00 ON JUL 15	0.0358 ON APR 12	14 100	1981
1982	3.77 AT 20:55 MST ON JUL 20	3.37 ON JUL 21	0.0248 ON MAR 28	14 900	1982
1983	3.61 AT 20:30 MST ON JUL 8	2.44 ON JUL 7	0.0298 ON APR 8	10 500	1983
1984	5.41 AT 07:50 MST ON JUN 29	4.83 ON JUN 29	0.0258 ON MAR 19	12 200	1984
				14 200	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SINONETTE RIVER NEAR GODDWIN - STATION NO. 07GF001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	---	---	11.4	18.7	12.2	---	---	---	1969
1970	---	---	2.30	35.1	57.1	18.4	12.1	7.82	4.87	4.35	2.18	1.80	---	1970
1971	1.40	1.58	1.93	43.2	41.4	127	130	18.8	19.4	50.8	12.1	8.12	38.0	1971
1972	3.14	1.37	5.38	80.6	104	81.4	28.8	18.8	10.4	24.8	8.41	6.70	30.3	1972
1973	4.20	3.40	3.52	75.3	92.0	51.8	17.0	12.3	7.58	14.3	8.10	3.82	24.3	1973
1974	2.62	3.11	2.89	127	193	28.7	11.9	6.89	8.42	4.82	1.99	2.01	32.7	1974
1975	1.78	1.61	1.80	17.5	48.2	24.7	28.4	8.48	8.22	8.15	3.94	2.13	11.9	1975
1976	2.04	2.27	1.78	88.6	48.0	82.2	33.9	121	42.4	13.8	8.83	4.08	33.6	1976
1977	3.27	3.80	4.57	74.8	118	53.8	81.1	33.4	28.8	28.7	10.2	4.87	34.7	1977
1978	3.38	2.83	3.98	27.4	88.3	87.7	21.1	10.4	37.3	17.7	7.82	4.38	21.7	1978
1979	1.59	1.67	2.98	30.8	107	121	83.3	12.8	8.82	8.81	4.98	2.83	29.6	1979
1980	1.98	2.17	2.27	37.8	60.3	108	32.7	19.7	34.8	14.8	8.02	3.88	28.4	1980
1981	4.45	3.84	8.88	41.8	50.9	40.0	18.6	14.8	4.47	4.87	4.08	1.30	18.2	1981
1982	0.771	0.888	1.81	8.18	121	34.4	124	88.8	22.8	17.7	8.08	3.07	37.0	1982
1983	2.48	1.88	2.81	18.7	28.7	88.3	178	38.8	20.2	11.1	8.40	3.23	33.2	1983
1984	3.31	3.37	3.90	34.3	108	58.8	14.5	8.88	88.8	31.0	9.38	5.00	27.9	1984
MEAN	2.82	2.42	3.21	48.3	80.7	64.8	80.0	27.1	20.3	18.8	8.74	3.78	28.3	MEAN

LOCATION - LAT 55 08 30 N LONG 118 10 30 W
DRAINAGE AREA, 5 050 km^2
NATURAL FLOW

SIMONETTE RIVER NEAR GODDWIN - STATION NO. 07GF001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	---	---	1969
1970	158 AT 18:00 MST ON MAY 11	135 ON MAY 12	---	---	1970
1971	821 AT 04:00 MST ON JUL 13	880 ON JUL 13	1.00 B ON FEB 4	1 200 000	1971
1972	884 AT 23:30 MST ON JUN 13	496 ON JUN 14	1.04 B ON FEB 7	957 000	1972
1973	---	255E ON APR 28	3.11 B ON FEB 12	786 000	1973
1974	453 AT 02:00 MST ON MAY 12	422 ON MAY 12	1.18 B ON NOV 24	1 030 000	1974
1975	256 AT 01:00 MST ON JUN 30	222 ON JUN 30	1.30 B ON MAR 8	377 000	1975
1976	863 AT 15:30 MST ON AUG 18	597 ON AUG 18	1.39 B ON MAR 13	1 080 000	1976
1977	413 AT 04:00 MST ON MAY 7	382 ON MAY 7	2.83 B ON JAN 13	1 090 000	1977
1978	377 AT 00:00 MST ON JUN 18	320 ON JUN 16	2.45 B ON DEC 31	885 000	1978
1979	840 AT 11:00 MST ON JUN 15	710 ON JUN 15	1.13 B ON JAN 13	929 000	1979
1980	540 AT 08:30 MST ON JUN 5	479 ON JUN 5	1.42 B ON JAN 28	803 000	1980
1981	120 AT 22:00 MST ON JUN 1	107 ON JUN 2	1.08 B ON DEC 31	510 000	1981
1982	1 440 AT 13:30 MST ON JUL 15 *	1 110A ON JUL 15 *	0.562B ON JAN 30 *	1 180 000	1982
1983	1 140 AT 17:00 MST ON JUL 27	787A ON JUL 27	1.83 B ON FEB 15	1 050 000	1983
1984	442 AT 04:30 MST ON MAY 18	420 ON MAY 18	3.10 B ON JAN 1	883 000	1984
				893 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SIX MILE COULEE SPILLWAY NEAR LETHBRIDGE - STATION NO. 05AD020

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	0.481	3.75	0.899	1.59	0.874	2.12	---	---	1.58	1951
1952	---	---	---	---	1.27	1.56	2.79	2.39	2.71	1.23	---	---	1.98	1952
1953	---	---	---	---	0.770	2.98	0.863	0.011	2.82	2.10	---	---	1.59	1953
1954	---	---	---	---	0.671	2.01	1.23	1.78	2.74	1.72	---	---	1.68	1954
1955	---	---	---	---	0.367	0.701	0.086	0.003	0.003	0.003	---	---	0.185	1955
1956	---	---	---	---	---	0.022	0.085	0.096	0.111	0.072	---	---	---	1956
1957	---	---	---	---	0.394	0.046	0.069	0.293	0.103	0.078	---	---	0.185	1957
1958	---	---	---	---	0.012	0.146	0.298	0.358	0.213	0.055	---	---	0.180	1958
1959	---	---	---	---	0.046	0.087	0.027	0.220	0.144	0.058	---	---	0.098	1959
1960	---	---	---	---	0.030	0.175	0.589	0.341	0.115	0.185	---	---	0.237	1960
1961	---	---	---	---	0.018	0.166	0.374	0.344	0.191	0.101	---	---	0.199	1961
1962	---	---	---	---	0.016	0.191	0.268	0.306	0.067	0.048	---	---	0.146	1962
1963	---	---	---	---	0.128	0.402	0.586	0.208	0.141	0.137	---	---	0.266	1963
1964	---	---	---	---	0.017	0.073	0.200	0.434	0.230	0.191	---	---	0.191	1964
1965	---	---	---	---	0.236	0.069	0.189	0.208	0.083	0.041	---	---	0.132	1965
1966	---	---	---	---	0.077	0.323	0.333	0.152	0.084	0.158	---	---	0.184	1966
1967	---	---	---	---	0.109	0.308	0.484	0.232	0.080	0.048	---	---	0.207	1967
1968	---	---	---	---	0.048	0.051	0.277	0.306	0.227	0.074	---	---	0.164	1968
1969	---	---	---	---	0.034	0.173	0.432	0.460	0.100	0.071	---	---	0.212	1969
MEAN	---	---	---	---	0.262	0.895	0.522	0.512	0.578	0.446	---	---	0.522	MEAN

LOCATION - LAT 49 39 40 N
LONG 112 49 35 W
REGULATED

SIX MILE COULEE SPILLWAY NEAR LETHBRIDGE - STATION NO. 05AD020

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	8.84 ON AUG 12	0 ON MAY 1 *	25 100	1951
1952	---	10.0 ON JUL 17 *	0 ON MAY 1	31 800	1952
1953	---	8.80 ON JUN 23	0.011E ON MAY 1	25 300	1953
1954	---	7.85 ON JUL 12	0 E ON MAY 1	26 800	1954
1955	---	3.17 ON JUN 18	0 E ON MAY 1	3 000	1955
1956	---	0.597 ON JUL 3	---	---	1956
1957	---	1.97 ON MAY 6	0.006 ON OCT 30	2 520	1957
1958	---	1.44 ON SEP 23	0.003 ON MAY 1	2 860	1958
1959	---	0.398 ON MAY 30	0 ON MAY 10	1 560	1959
1960	---	1.29 ON JUN 13	0 ON MAY 5	3 770	1960
1961	---	0.885 ON JUL 26	0 ON MAY 1	3 180	1961
1962	---	0.868 ON JUL 18	0.002 ON MAY 23	2 320	1962
1963	---	2.49 ON JUL 22	0 ON MAY 8	4 230	1963
1964	---	0.985 ON AUG 13	0 ON MAY 27	3 040	1964
1965	---	2.28 ON MAY 7	0 ON JUN 6	2 100	1965
1966	0.981 AT 07:00 MST ON JUL 3 *	0.510 ON JUL 3	0 ON MAY 1	2 930	1966
1967	---	1.09 ON JUL 25	0 ON MAY 1	3 290	1967
1968	---	3.00 ON AUG 23	0.004 ON SEP 5	2 610	1968
1969	---	1.54 ON AUG 24	0 ON MAY 27	3 380	1969
				8 320	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	---	7 920	7 930	5 800	5 020	4 340	---	---	---	1921
1922	---	---	---	---	---	7 010	5 890	4 780	3 730	---	---	---	---	1922
1930	---	---	---	---	---	---	---	---	---	3 180	2 000	1 800	---	1930
1931	1 830	1 580	1 410	1 420	---	---	---	---	---	---	---	---	---	1931
1953	---	578	543	861	4 280	5 860	5 248	4 540	3 650	3 390	1 880	1 340	---	1953
1954	1 520	903	595	830	3 880	7 710	7 400	6 270	5 450	4 930	---	---	---	1954
1955	---	---	---	---	---	5 140	6 780	5 560	4 150	3 540	---	---	---	1955
1956	---	---	---	---	---	8 020	5 890	4 530	3 780	---	---	---	---	1956
1957	---	---	---	---	5 390	6 240	5 860	5 940	5 040	3 860	---	---	---	1957
1958	---	---	---	---	---	---	5 580	4 130	3 530	3 550	---	---	---	1958
1959	---	---	---	---	3 840	6 090	6 180	4 630	4 570	3 770	2 380	2 000	---	1959
1980	1 940	1 040	717	937	3 730	6 740	7 350	5 740	5 230	4 580	2 970	1 990	3 590	1980
1981	2 140	2 250	1 970	1 910	4 280	6 930	5 740	4 370	3 740	3 510	1 780	1 590	3 380	1981
1982	1 280	1 030	752	1 210	4 700	6 980	7 720	6 670	5 600	4 880	2 800	1 810	3 780	1982
1983	2 180	2 140	1 950	1 480	5 480	7 250	6 560	5 450	4 580	4 010	2 480	1 880	3 780	1983
1984	1 850	1 140	851	1 020	4 680	7 730	7 450	7 290	5 720	5 280	3 730	2 170	4 080	1984
1985	2 050	2 100	1 510	1 880	5 130	7 110	7 850	6 820	5 010	4 820	2 980	2 130	4 000	1985
1986	2 178	1 980	1 630	2 180	4 910	6 550	6 610	5 750	5 120	4 060	2 280	2 170	3 790	1986
1987	2 000	1 890	1 190	901	4 170	7 800	6 890	5 490	4 330	4 170	2 620	1 670	3 590	1987
1988	1 800	1 370	1 030	1 510	3 720	4 780	4 370	3 640	3 030	2 750	1 930	1 380	2 800	1988
1989	1 260	978	907	1 790	4 980	4 580	3 770	3 250	3 500	3 170	1 720	1 540	2 630	1989
1970	1 370	1 240	1 300	1 980	3 720	4 640	4 070	3 450	2 920	2 820	2 020	1 480	2 590	1970
1971	1 440	1 410	1 350	1 800	4 400	4 910	5 840	4 280	3 670	3 340	1 840	1 720	2 970	1971
1972	1 800	1 380	1 380	1 820	5 020	6 300	6 380	5 580	4 270	3 840	2 400	2 040	3 510	1972
1973	2 380	2 800	2 450	2 820	5 250	5 880	5 730	5 100	4 450	4 080	2 810	1 970	3 800	1973
1974	2 080	1 990	1 920	2 250	7 420	8 950	6 700	6 110	5 380	4 950	3 820	2 340	4 340	1974
1975	2 310	2 380	2 390	2 610	4 560	5 000	4 910	3 880	3 970	3 570	2 370	2 270	3 340	1975
1976	2 030	2 130	2 350	3 310	4 810	5 090	5 870	5 870	4 900	4 300	3 380	2 580	3 890	1976
1977	2 870	2 860	2 440	2 730	4 960	6 050	5 730	5 030	4 080	4 130	3 280	2 380	3 890	1977
1978	2 880	2 760	2 710	2 300	4 120	5 320	4 090	3 490	3 710	3 870	2 890	2 190	3 350	1978
1979	2 380	2 510	2 300	1 910	4 240	6 440	6 110	4 330	3 780	3 340	3 170	2 530	3 580	1979
1980	1 980	2 100	1 950	1 970	2 900	3 900	3 450	3 020	3 270	3 510	2 770	1 800	2 720	1980
1981	1 650	1 880	1 800	2 300	4 570	4 440	3 170	3 040	2 510	2 740	1 930	1 960	2 850	1981
1982	1 820	2 160	1 450	1 580	3 960	4 340	4 250	4 070	3 685	3 380	2 300	2 250	2 920	1982
1983	2 120	1 650	1 290	1 510	3 830	3 920	5 505	4 720	3 750	3 430	2 910	1 920	3 080	1983
1984	2 240	2 000	1 700	2 150	3 850	5 340	4 840	4 080	3 980	4 050	2 380	2 380	3 260	1984
MEAN	1 940	1 770	1 560	1 790	4 490	6 000	5 790	4 870	4 210	3 840	2 570	1 970	3 400	MEAN

LOCATION - LAT 58 52 20 N
LONG 111 35 00 W

DRAINAGE AREA, 606 000 km²
REGULATED SINCE 1968

SLAVE RIVER AT FITZGERALD - STATION NO. 07NB001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1921	---	8 950 ON JUN 28	---	---	1921
1922	---	8 380 ON JUN 11	---	---	1922
1930	---	---	---	---	1930
1931	---	---	1 400B ON MAR 21	---	1931
1953	---	8 230 ON JUN 15	530B ON MAR 22 *	---	1953
1954	---	8 330 ON JUN 29	544B ON MAR 21	---	1954
1955	---	7 380 ON JUL 1	---	---	1955
1956	---	8 460 ON JUN 20	---	---	1956
1957	---	8 710 ON AUG 20	---	---	1957
1958	---	---	---	---	1958
1959	---	8 880A ON JUL 5	---	---	1959
1980	8 180 AT 08:50 MST ON JUL 8	8 100 ON JUL 8	544B ON MAR 30	114 000 000	1980
1981	7 480 AT 08:30 MST ON JUN 13	7 420 ON JUN 12	1 380B ON DEC 20	106 000 000	1981
1982	8 440 AT 20:00 MST ON JUL 5 *	8 380 ON JUL 5	568B ON APR 4	119 000 000	1982
1983	---	7 420A ON JUN 19	1 240B ON APR 21	119 000 000	1983
1984	---	8 670 ON JUN 19	663B ON APR 10	129 000 000	1984
1985	---	8 750 ON JUL 15	1 030B ON APR 15	126 000 000	1985
1986	---	7 140 ON JUN 18	1 420B ON APR 1	120 000 000	1986
1987	---	8 270 ON JUN 28	773B ON APR 7	113 000 000	1987
1988	---	5 640 ON JUN 20	894B ON APR 2	82 200 000	1988
1989	---	5 950 ON MAY 8	827B ON FEB 27	82 900 000	1989
1970	---	5 010 ON JUN 12	1 180B ON FEB 22	81 700 000	1970
1971	8 510 AT 11:30 MST ON JUL 19	8 510 ON JUL 18	1 330B ON MAR 5	93 800 000	1971
1972	7 820 AT 18:00 MST ON JUN 18	7 700 ON JUN 18	1 150B ON FEB 10	111 000 000	1972
1973	---	8 460 ON JUN 25	1 870B ON DEC 11	120 000 000	1973
1974	---	11 200B ON MAY 5 *	1 800B ON MAR 30	137 000 000	1974
1975	---	8 240E ON JUL 8	2 040B ON NOV 8	105 000 000	1975
1976	8 820 AT 18:30 MST ON AUG 24	8 770 ON AUG 25	1 860B ON JAN 14	123 000 000	1976
1977	---	8 880 ON JUN 17	1 870B ON APR 13	123 000 000	1977
1978	5 780 AT 11:10 MST ON JUN 14	5 750 ON JUN 14	1 850B ON DEC 31	108 000 000	1978
1979	---	7 310B ON MAY 20	1 720B ON APR 14	113 000 000	1979
1980	4 930 AT 18:09 MST ON JUN 13	4 870 ON JUN 13	1 440B ON DEC 18	86 000 000	1980
1981	---	5 540B ON MAY 9	1 090B ON JAN 28	83 400 000	1981
1982	6 250 AT 20:31 MST ON JUL 22	6 180 ON JUL 23	1 170B ON MAR 24	92 100 000	1982
1983	6 290 AT 18:24 MST ON JUL 24	6 280 ON JUL 23	1 190B ON APR 15	98 400 000	1983
1984	6 210 AT 21:23 MST ON JUN 18	6 180 ON JUN 18	1 800B ON APR 12	103 000 000	1984
				107 000 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMITH-DORRIEN CREEK NEAR MOUTH - STATION NO. 05BF008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	17.1	6.92	4.48	2.84	1.24	---	---	---	1932
1933	---	---	---	---	---	12.8	9.80	4.90	2.25	1.38	---	---	---	1933
MEAN	---	---	---	---	---	15.0	8.36	4.68	2.55	1.31	---	---	---	MEAN

LOCATION - LAT 50 41 07 N
LONG 115 08 47 W
DRAINAGE AREA, 131 km²
NATURAL FLOW

SMITH-DORRIEN CREEK NEAR MOUTH - STATION NO. 05BF008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1932	---	34.6E ON JUN 2 *	---	---	1932
1933	---	28.1 ON JUN 15	---	---	1933
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	134	177	160	160	112	49.6	33.4	15.9	---	1968
1969	14.6	13.5	14.1	30.4	128	230	152	150	98.7	52.4	33.2	11.4	83.8	1969
1970	11.3	13.1	11.0	15.1	74.1	303	185	107	50.5	37.0	16.5	11.3	88.2	1970
1971	10.6	15.0	12.5	16.3	149	306	245	148	84.0	65.3	31.5	21.1	92.7	1971
1972	13.9	11.7	12.0	14.1	188	442	185	148	---	---	28.2	18.8	---	1972
1973	14.8	11.4	11.8	13.7	128	244	170	110	70.2	62.5	22.7	21.7	73.8	1973
1974	14.1	11.6	11.1	17.2	82.2	308	224	129	80.7	69.8	27.8	21.8	83.3	1974
1975	15.7	10.8	10.2	12.8	84.4	195	259	102	58.4	39.7	37.1	19.4	89.8	1975
1976	12.5	13.5	12.0	28.8	140	184	226	199	118	62.0	28.1	21.4	88.3	1976
1977	15.3	13.4	10.3	27.3	112	258	231	158	74.3	42.3	22.8	19.7	82.6	1977
1978	13.8	10.2	11.8	19.8	72.5	222	213	107	91.8	87.8	38.4	21.8	74.2	1978
1979	14.7	11.0	12.4	13.1	78.2	268	239	121	87.3	37.7	14.9	10.1	74.4	1979
1980	10.0	9.33	9.07	24.1	138	257	153	114	85.8	80.8	26.8	31.8	77.4	1980
1981	24.2	12.7	13.8	19.4	188	187	191	138	89.0	28.5	25.1	11.8	72.2	1981
1982	11.4	11.1	9.07	12.9	88.2	352	301	177	126	56.8	23.2	15.4	88.2	1982
1983	13.9	11.2	11.3	19.4	91.8	185	174	109	71.7	41.0	24.2	14.1	83.4	1983
1984	14.8	13.0	11.2	19.1	98.6	283	232	136	118	82.7	29.2	15.5	82.0	1984
MEAN	14.1	12.0	11.5	19.7	110	256	206	138	86.3	53.5	27.3	17.8	78.9	MEAN

LOCATION - LAT 53 55 46 N
LONG 119 09 40 W
DRAINAGE AREA, 3 840 km²
NATURAL FLOW

SMOKY RIVER ABOVE HELLS CREEK - STATION NO. 07GA001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	294 AT 08:40 MST ON MAY 21	288 ON MAY 21	---	---	1968
1969	498 AT 21:55 MST ON AUG 5	399 ON JUN 4	8.50B ON DEC 10	2 640 000	1969
1970	552 AT 05:20 MST ON JUN 4	527 ON JUN 4	8.35B ON JAN 15	2 150 000	1970
1971	544E ON JUN 8	518 ON JUN 9	9.43B ON JAN 15	2 920 000	1971
1972	1 380 AT 15:00 MST ON JUN 12 *	1 230 ON JUN 12 *	10.4 B ON MAR 4	---	1972
1973	575 AT 13:00 MST ON JUN 24	547 ON JUN 24	10.8 B ON FEB 17	2 330 000	1973
1974	598 AT 05:30 MST ON JUN 17	533 ON JUN 18	10.5 B ON MAR 17	2 630 000	1974
1975	433 AT 15:30 MST ON JUL 15	395 ON JUL 6	9.20B ON FEB 25	2 200 000	1975
1976	385 AT 04:00 MST ON JUN 20	365 ON JUL 1	9.00B ON MAR 24	2 730 000	1976
1977	515 AT 07:30 MST ON JUN 8	484 ON JUN 8	8.56B ON MAR 22	2 800 000	1977
1978	459 AT 13:10 MST ON JUL 11	389 ON JUL 11	9.29B ON FEB 9	2 340 000	1978
1979	424 AT 05:50 MST ON JUN 4	408 ON JUN 5	8.10B ON DEC 24	2 350 000	1979
1980	520 AT 15:10 MST ON JUN 4	488 ON JUN 4	8.78B ON MAR 5 *	2 450 000	1980
1981	426 AT 13:00 MST ON MAY 28	402 ON MAY 28	9.30B ON DEC 17	2 280 000	1981
1982	558 AT 05:45 MST ON JUN 15	513 ON JUN 15	8.18B ON FEB 24	3 130 000	1982
1983	---	380E ON JUL 14	8.47B ON MAR 21	2 000 000	1983
1984	442 AT 07:20 MST ON JUN 14	424 ON JUN 14	8.73B ON MAR 13	2 590 000	1984
				2 490 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	873	1 380	484	241	213	93.0	48.3	---	1915
1916	33.3	48.2	52.6	197	644	785	926	342	242	220	132	87.4	291	1916
1917	43.3	36.9	31.8	278	1 510	1 280	587	288	187	191	105	57.4	380	1917
1918	90.7	57.0	41.7	311	561	1 120	1 050	438	238	149	78.5	59.8	351	1918
1919	41.7	23.3	23.5	186	311	1 130	807	414	485	197	87.1	71.8	288	1919
1920	86.8	47.8	43.1	130	1 890	1 680	1 070	558	406	424	148	87.5	548	1920
1921	57.6	46.7	72.9	491	1 080	1 070	528	405	301	284	---	---	---	1921
1922	---	---	---	---	---	724	357	281	182	---	---	---	---	1922
1955	---	---	---	---	590	1 550	938	482	158	99.0	51.9	37.8	---	1955
1956	28.4	27.8	26.1	556	850	989	368	339	208	158	120	82.1	297	1956
1957	36.1	24.0	28.7	363	1 030	853	597	841	335	309	305	142	382	1957
1958	158	48.2	36.9	416	902	845	542	178	154	194	77.7	43.4	301	1958
1959	36.6	29.2	37.8	170	805	994	574	305	447	295	220	127	321	1959
1960	58.7	43.0	84.8	341	855	1 680	827	305	143	138	79.0	66.9	393	1960
1961	46.7	30.1	34.4	86.5	482	842	450	204	171	288	144	46.2	218	1961
1962	31.1	47.7	21.9	566	1 000	940	834	420	340	181	135	84.3	383	1962
1963	51.8	84.2	56.5	721	1 250	988	478	288	227	170	89.8	83.4	370	1963
1964	46.8	49.3	36.2	184	890	1 490	1 050	1 200	853	475	143	77.1	528	1964
1965	83.7	52.8	84.7	833	1 200	1 440	1 680	540	511	418	170	83.8	587	1965
1966	80.3	82.4	58.8	880	1 250	871	891	645	378	218	117	74.9	426	1966
1967	84.8	84.8	48.1	165	1 280	1 750	593	317	184	129	88.8	47.8	381	1967
1968	50.5	57.8	84.6	152	727	1 140	883	480	278	185	108	45.7	331	1968
1969	36.1	31.2	31.6	488	888	805	339	268	484	240	89.0	88.8	287	1969
1970	36.5	35.5	46.8	373	526	770	344	223	133	112	66.0	37.2	224	1970
1971	31.1	31.5	29.4	331	683	1 470	1 450	344	224	315	129	72.8	428	1971
1972	50.7	38.2	86.5	476	1 140	1 840	572	388	198	411	158	84.1	450	1972
1973	88.4	87.0	85.8	523	998	905	484	297	197	278	148	82.0	343	1973
1974	59.5	54.9	48.8	300	1 880	1 030	598	298	217	242	71.5	45.2	428	1974
1975	46.5	33.1	32.5	155	800	777	807	252	172	111	127	54.7	257	1975
1976	60.3	52.0	41.3	554	890	918	807	1 100	493	218	101	88.1	442	1976
1977	68.6	66.1	64.3	528	1 220	1 100	888	526	348	389	101	76.1	448	1977
1978	46.8	42.3	58.7	213	548	874	805	287	450	275	182	75.9	307	1978
1979	48.8	38.9	52.1	259	1 080	1 330	861	287	152	118	43.8	24.7	355	1979
1980	28.0	25.5	28.8	259	578	1 400	824	315	384	258	114	88.7	341	1980
1981	79.6	83.8	87.2	385	837	890	431	331	138	80.7	91.4	28.8	270	1981
1982	22.9	28.9	27.7	108	881	982	1 470	1 030	482	223	84.9	87.8	453	1982
1983	47.7	36.2	38.9	223	488	859	1 300	409	214	137	117	88.2	328	1983
1984	47.1	47.1	50.4	188	880	932	523	284	480	383	132	88.9	313	1984
MEAN	53.2	46.2	47.5	383	882	1 080	781	431	293	235	117	84.1	387	MEAN

LOCATION - LAT 55 42 56 N
LONG 117 37 19 W

DRAINAGE AREA, 50 300 km²
NATURAL FLOW

SMOKY RIVER AT WATINO - STATION NO. 07GJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1915	---	---	---	---	1915
1916	---	2 780 ON JUL 5	28.2B ON JAN 26	9 190 000	1916
1917	---	2 620 ON MAY 22	29.2B ON FEB 19	12 000 000	1917
1918	---	1 720 ON JUL 14	37.4B ON MAR 5	11 100 000	1918
1919	---	2 920 ON JUN 12	19.0B ON FEB 8	9 280 000	1919
1920	---	3 110B ON MAY 9	32.6B ON MAR 22	17 300 000	1920
1921	---	1 580 ON JUN 6	---	---	1921
1922	---	---	---	---	1922
1955	4 620 AT 12:00 MST ON JUN 2	4 500 ON JUN 2	---	---	1955
1956	2 190 AT 07:00 MST ON JUN 13	2 150 ON JUN 13	14.0B ON DEC 12 *	9 410 000	1956
1957	1 820 AT 08:00 MST ON AUG 13	1 650 ON AUG 13	20.2B ON FEB 2	12 300 000	1957
1958	2 570 AT 02:00 MST ON JUN 30	2 300 ON JUN 30	29.4B ON DEC 10	9 480 000	1958
1959	1 950 AT 11:00 MST ON JUN 28	1 650 ON JUN 28	24.3B ON FEB 13	10 100 000	1959
1960	5 040 AT 02:00 MST ON JUN 23	4 420 ON JUN 23	30.6B ON FEB 9	12 400 000	1960
1961	1 420 AT 18:00 MST ON JUL 2	1 260 ON JUL 3	20.8B ON DEC 28	8 900 000	1961
1962	2 480 AT 05:00 MST ON JUL 20	2 250 ON JUL 20	17.3B ON MAR 8	12 100 000	1962
1963	---	2 010 ON APR 29	34.8B ON DEC 26	11 700 000	1963
1964	3 280 AT 21:00 MST ON AUG 3	3 080 ON AUG 4	29.7B ON MAR 24	18 800 000	1964
1965	5 520 AT 14:00 MST ON JUL 10	5 210 ON JUL 10	37.8B ON DEC 31	16 800 000	1965
1966	2 440 AT 17:00 MST ON MAY 12	2 300 ON MAY 12	33.1B ON FEB 15	13 400 000	1966
1967	---	2 200A ON JUN 3	33.7B ON DEC 27	12 300 000	1967
1968	2 440 AT 14:15 MST ON JUN 14	2 370 ON JUN 14	38.8B ON JAN 15	10 800 000	1968
1969	1 130 AT 14:00 MST ON APR 30	1 100 ON APR 30	28.1B ON JAN 29	9 050 000	1969
1970	1 880 AT 14:00 MST ON JUN 5	1 480 ON JUN 6	28.8B ON MAR 8	7 080 000	1970
1971	4 700 AT 05:00 MST ON JUL 13	4 450 ON JUL 13	26.8B ON JAN 27	13 500 000	1971
1972	8 200 AT 05:00 MST ON JUN 14 *	8 180 ON JUN 14 *	29.4B ON MAR 6	14 200 000	1972
1973	1 480 AT 11:30 MST ON MAY 18	1 380 ON MAY 18	48.4B ON MAR 24	10 800 000	1973
1974	2 740A AT 01:00 MST ON APR 27	2 690A ON APR 27	33.4B ON NOV 27	13 500 000	1974
1975	---	1 710A ON JUN 30	28.9B ON APR 1	8 100 000	1975
1976	2 730 AT 20:00 MST ON AUG 18	2 480 ON AUG 18	36.2B ON MAR 14	14 000 000	1976
1977	2 830A AT 10:30 MST ON MAY 7	2 480A ON MAY 7	40.6B ON MAR 27	14 200 000	1977
1978	1 830A AT 02:00 MST ON JUN 17	1 780A ON JUN 17	41.1B ON FEB 20	9 890 000	1978
1979	3 610 AT 20:30 MST ON JUN 15	3 280 ON JUN 15	19.3B ON DEC 2	11 200 000	1979
1980	3 720 AT 01:30 MST ON JUN 8	3 400 ON JUN 8	23.4B ON FEB 7	10 800 000	1980
1981	1 400 AT 19:30 MST ON MAY 27	1 350 ON MAY 28	19.7B ON DEC 31	8 520 000	1981
1982	9 020 AT 23:30 MST ON JUL 18	8 830A ON JUL 17	18.0B ON JAN 4	14 300 000	1982
1983	3 040 AT 19:30 MST ON JUL 27	2 890 ON JUL 28	32.2B ON JAN 30	10 300 000	1983
1984	1 830 AT 17:30 MST ON MAY 18	1 710 ON JUN 10	41.0B ON MAR 13	9 880 000	1984
				11 800 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	---	---	---	0	---	---	---	1980
1981	---	---	0.055	0.025	0.135	0.005	0	0	0	0	---	---	0.028	1981
1982	---	---	0.045	0.151	0.002	0.010	0.049	0.003	0	0	---	---	0.032	1982
1983	---	---	0.142	0.057	0.015	0	0	0.001	0	0	---	---	0.027	1983
1984	---	0	0.001	0.001	0	0	0	0	0.001	0.002	---	---	0.001	1984
MEAN	---	0	0.061	0.059	0.038	0.004	0.012	0.001	0	0	---	---	0.022	MEAN

LOCATION - LAT 50 28 20 N DRAINAGE AREA, 350 km²
LONG 112 54 48 W NATURAL FLOW

SNAKE CREEK NEAR VULCAN - STATION NO. 05AC030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1980	---	---	0A ON SEP 18 *	---	1980
1981	0.580 AT 13:10 MST ON MAY 15	0.552 ON MAY 15	0 ON JUN 22	591	1981
1982	1.14 AT 06:33 MST ON JUN 26	0.807 ON APR 12	0B ON MAR 1	884	1982
1983	1.37 AT 18:11 MST ON MAR 11 *	1.01 ON MAR 12 *	0B ON MAR 1	574	1983
1984	0.031 AT 16:36 MST ON OCT 25	0.023 ON OCT 25	0B ON MAR 1	11.9	1984
				485	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	48.4	139	103	48.3	28.8	17.4	---	---	83.3	1971
1972	---	---	---	---	51.8	210	74.8	45.1	33.0	---	---	---	---	1972
1973	---	---	---	---	44.1	88.7	59.0	35.8	21.5	---	---	---	---	1973
1974	---	---	---	---	---	---	---	45.5	20.8	13.2	---	---	---	1974
1975	---	---	---	---	18.7	52.7	73.5	27.8	17.5	11.8	---	---	33.8	1975
1976	---	---	---	---	34.1	53.8	77.8	65.5	---	---	---	---	---	1976
1977	---	---	---	---	29.4	84.1	70.9	54.0	24.8	15.8	---	---	48.4	1977
1978	---	---	---	---	24.0	84.4	81.5	38.3	42.8	22.8	---	---	48.8	1978
1979	---	---	---	---	28.5	78.2	88.6	38.2	21.2	14.1	---	---	40.2	1979
1980	---	---	---	---	38.6	103	51.9	41.3	30.8	21.2	---	---	47.6	1980
1981	---	---	---	---	61.4	80.5	48.9	40.8	25.5	10.9	---	---	38.1	1981
1982	---	---	---	---	22.0	111	84.5	46.0	36.6	23.7	---	---	53.8	1982
1983	---	---	---	---	28.6	58.8	47.6	33.6	18.5	12.3	---	---	32.8	1983
1984	---	---	---	---	13.9	84.8	87.1	39.8	35.2	23.1	---	---	40.6	1984
MEAN	---	---	---	---	33.3	91.3	69.9	42.8	28.4	18.9	---	---	44.5	MEAN

LOCATION - LAT 53 09 28 N DRAINAGE AREA, 1 580 km²
LONG 118 01 58 W NATURAL FLOW

SNAKE INDIAN RIVER NEAR THE MOUTH - STATION NO. 07AB002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1971	---	323 ON JUN 9	8.50B ON OCT 28	1 010 000	1971
1972	584 AT 17:30 MST ON JUN 12 *	532 ON JUN 12 *	---	---	1972
1973	---	227E ON JUN 24	---	---	1973
1974	---	---	---	---	1974
1975	125 AT 03:30 MST ON JUL 10	119 ON JUL 10	7.79B ON MAY 1	535 000	1975
1976	123 AT 21:00 MST ON JUL 9	118 ON JUL 1	---	---	1976
1977	187 AT 09:00 MST ON JUN 8	161 ON JUN 8	11.0 E ON MAY 1	738 000	1977
1978	326 AT 01:30 MST ON JUL 12	289 ON JUL 12	13.3 ON MAY 7	778 000	1978
1979	183 AT 10:00 MST ON JUN 5	158 ON JUN 5	10.3 ON OCT 31	638 000	1979
1980	170 AT 12:10 MST ON JUN 17	162 ON JUN 17	13.0 ON OCT 31	785 000	1980
1981	134 AT 03:40 MST ON MAY 27	126 ON MAY 28	8.00E ON OCT 31	607 000	1981
1982	172 AT 18:55 MST ON JUN 28	165 ON JUN 22	8.70E ON MAY 8	854 000	1982
1983	111 AT 04:20 MST ON MAY 31	105 ON MAY 31	8.73 ON OCT 24	522 000	1983
1984	184 AT 22:45 MST ON JUN 29	180 ON JUN 30	7.78A ON MAY 1 *	845 000	1984
				708 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SNOWFENCE CREEK AT PLATEAU MOUNTAIN - STATION NO. 05AA025

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	---	---	0.001	0	0	---	---	---	---	---	---	1988
1987	---	---	---	---	0.002	0.001	0	0	0	---	---	---	---	1987
MEAN	---	---	---	---	0.002	0.001	0	0	0	---	---	---	---	MEAN

LOCATION - LAT 50 12 35 N DRAINAGE AREA, .04 km²
LONG 114 32 40 W NATURAL FLOW

SNOWFENCE CREEK AT PLATEAU MOUNTAIN - STATION NO. 05AA025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	---				
1989	0.024 AT 14:00 MST ON JUN 17 *	0.005 ON MAY 20 0.011 ON MAY 30 *	0E ON MAY 1 * 0E ON MAY 1	--- ---	1988 1989
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SOUNDING CREEK NEAR CHINOOK - STATION NO. 05GA012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	0	0	0	0	0	0	---	---	---	1984
MEAN	---	---	---	---	0	0	0	0	0	0	---	---	---	MEAN

LOCATION - LAT 51 32 52 N LONG 110 55 11 W
DRAINAGE AREA, 2 280 km^2
NATURAL FLOW

SOUNDING CREEK NEAR CHINOOK - STATION NO. 05GA012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0 ON APR 11 *	0 ON APR 11 *	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	0.020	0	0	0	0.018	0.105	0.184	0.001	---	---	0.038	1968
1970	---	---	0.083	1.83	---	0.084	0.088	0	0.001	0.002	---	---	---	1970
1971	---	---	0	2.03	0.180	0.001	0	0	0	0	---	---	0.272	1971
1972	---	---	0.042	0.088	0.003	0	0.018	0.001	0	0	---	---	0.020	1972
1973	---	---	0.073	0.206	0.011	0.888	0.045	0.075	0.005	0.005	---	---	0.181	1973
1974	---	---	0	4.42	2.48	0.854	0.099	0	0	0	---	---	0.873	1974
1975	---	---	0	0.534	---	0.188	0.008	0	0	0	---	---	---	1975
1976	---	---	0.281	---	0.008	0	0.008	0	0	0	---	---	---	1976
1977	---	---	0	0	0.004	0	0	0	0.005	0.028	---	---	0.005	1977
1978	---	---	0.083	0.104	0.004	0.005	0.005	0	0	0	---	---	0.023	1978
1979	---	---	0.243	0.007	0	0	0	0.013	0	0	---	---	0.033	1979
1980	---	---	0	0.050	0	0.001	0	0	0	0	---	---	0.005	1980
1981	---	---	0.041	0	0	0	0.011	0	0	0	---	---	0.007	1981
1982	---	---	0.005	0.187	0.002	0.012	0.004	0.001	0	0.001	---	---	0.028	1982
1983	---	---	0.108	0.007	0.003	0.002	0.028	0.001	0	0	---	---	0.019	1983
1984	---	---	0.003	0.002	0	0	0	0	0.005	0.001	---	---	0.001	1984
MEAN	---	---	0.089	0.818	0.183	0.128	0.021	0.012	0.011	0.002	---	---	0.122	MEAN

LOCATION - LAT 51 33 55 N LONG 110 28 25 W
DRAINAGE AREA, 3 000 km^2
REGULATED

SOUNDING CREEK NEAR OYEN - STATION NO. 05GA008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	2.00 ON SEP 21	0B ON MAR 28 *	811	1968
1970	---	9.71 B ON APR 8	0B ON MAR 1	---	1970
1971	---	7.38 A ON APR 17	0B ON MAR 1	5 750	1971
1972	---	0.4818 ON MAR 24	0B ON MAR 1	424	1972
1973	10.2 AT 23:00 MST ON JUN 15 *	7.82 ON JUN 18	0B ON MAR 1	3 410	1973
1974	---	20.1 B ON APR 19 *	0B ON MAR 1	20 500	1974
1975	---	1.84 B ON APR 23	0 ON MAR 1	---	1975
1976	---	---	0B ON MAR 1	---	1976
1977	---	0.051A ON OCT 2	0 ON MAR 1	86.8	1977
1978	---	0.863E ON APR 25	0B ON MAR 1	480	1978
1979	---	1.27 B ON MAR 18	0B ON MAR 1	705	1979
1980	0.588 AT 05:00 MST ON APR 4	0.448 ON APR 4	0B ON MAR 1	131	1980
1981	---	0.1858 ON MAR 13	0B ON MAR 1	140	1981
1982	---	1.31 B ON APR 13	0B ON MAR 1	556	1982
1983	---	0.8868 ON MAR 12	0B ON MAR 1	387	1983
1984	0.082 AT 23:31 MST ON SEP 23	0.045 ON SEP 24	0B ON MAR 1	31.0	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		2 570	MEAN

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07DA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	0.083	0.028	0.085	---	---	---	1970
1971	---	---	0	1.55	3.28	0.769	0.417	0.089	0.035	0.235	---	---	0.787	1971
1972	---	---	0	0.222	18.4	2.80	0.501	0.068	0.005	0.008	---	---	2.48	1972
1973	---	---	0	1.04	3.87	3.83	3.83	7.09	3.88	2.25	---	---	3.22	1973
1974	---	---	0.002	5.61	15.2	5.62	2.60	1.14	0.553	0.279	---	---	4.37	1974
1975	---	---	0	1.09	4.21	2.72	1.45	0.210	0.288	0.180	---	---	1.28	1975
1976	---	---	0	1.97	2.08	7.57	5.32	5.80	5.01	2.80	---	---	4.41	1976
1977	---	---	0.027	4.05	5.80	26.1	4.11	0.585	0.080	0.014	---	---	5.42	1977
1978	---	---	0	0.075	3.28	4.60	0.782	0.188	1.78	1.51	---	---	1.49	1978
1979	---	---	0	0.258	17.7	18.8	3.35	0.873	0.392	0.228	---	---	4.91	1979
1980	---	---	0.001	0.333	0.138	0.119	0.287	0.023	0.014	0.018	---	---	0.113	1980
1981	---	---	0	1.48	10.5	1.06	0.089	0.008	0.003	0.008	---	---	1.86	1981
1982	---	---	0	0.070	3.43	0.458	0.012	0.014	0.011	0.020	---	---	0.508	1982
1983	---	---	0	0.574	2.84	0.854	0.021	0.011	0.009	0.008	---	---	0.490	1983
1984	---	---	0	0.011	0.117	0.728	5.05	0.384	3.22	1.04	---	---	1.32	1984
MEAN	---	---	0.002	1.80	8.41	5.38	1.99	1.36	1.07	0.585	---	---	2.32	MEAN

LOCATION - LAT 58 36 00 N DRAINAGE AREA, 819 km²
LONG 118 28 00 W NATURAL FLOW

SOUSA CREEK NEAR HIGH LEVEL - STATION NO. 07DA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1970	---	---	---	---	1970
1971	---	5.60 E ON APR 27	0 B ON MAR 1 *	16 900	1971
1972	34.5 AT 24:00 MST ON MAY 12	34.5 ON MAY 13	0 B ON MAR 1	52 600	1972
1973	15.1 AT 14:00 MST ON AUG 22	15.0 ON AUG 22	0 B ON MAR 1	68 100	1973
1974	36.0 AT 24:00 MST ON APR 29	35.7 ON APR 29	0 B ON MAR 1	92 500	1974
1975	6.60 AT 02:00 MST ON MAY 3	6.48 ON MAY 3	0 B ON MAR 1	26 600	1975
1976	24.1 A ON AUG 20	22.7 A ON AUG 20	0 B ON MAR 1	93 300	1976
1977	78.7 AT 03:30 MST ON JUN 12 *	71.4 ON JUN 12 *	0.012 ON OCT 18	115 000	1977
1978	8.48 AT 18:30 MST ON MAY 30	8.48 ON MAY 30	0 B ON MAR 1	31 600	1978
1979	51.7 AT 12:00 MST ON MAY 31	50.7 ON MAY 31	0 B ON MAR 1	104 000	1979
1980	1.40 AT 12:30 MST ON APR 18	0.945E ON JUL 25	0 B ON MAR 1	2 400	1980
1981	26.3 AT 22:00 MST ON MAY 4	25.0 ON MAY 5	0 B ON MAR 1	35 100	1981
1982	---	5.05 E ON MAY 7	0 B ON MAR 1	10 700	1982
1983	4.30 AT 19:00 MST ON MAY 12	4.27 ON MAY 12	0 B ON MAR 1	10 400	1983
1984	9.28 AT 03:00 MST ON JUL 11	9.08 ON JUL 11	0 B ON MAR 1	27 900	1984
				48 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1961	---	---	---	---	2.14	1.18	0.595	0.184	0.317	0.438	---	---	---	1961
1962	---	---	1.08	3.63	1.70	1.18	0.840	0.284	0.232	0.285	---	---	1.08	1962
1963	---	1.30	0.670	0.730	0.830	1.48	0.890	0.157	0.142	0.143	---	---	0.805	1963
1964	---	---	0.188	1.32	3.17	9.37	1.58	0.585	0.685	0.492	---	---	2.15	1964
1965	---	---	0.488	3.87	3.83	3.40	1.61	0.653	0.612	0.473	---	---	1.87	1965
1966	---	---	1.34	1.98	1.83	3.03	1.25	0.467	0.272	0.438	---	---	1.32	1966
1967	---	---	0.589	1.37	8.76	6.01	1.74	0.857	0.308	0.468	---	---	2.24	1967
1968	---	---	0.848	1.02	1.85	2.09	0.833	0.650	0.787	0.615	---	---	1.11	1968
1969	---	---	0.472	4.34	1.75	2.80	1.27	0.382	0.285	0.488	---	---	1.48	1969
1970	---	---	0.280	1.06	5.41	3.43	1.17	0.515	0.418	0.428	---	---	1.59	1970
1971	---	---	0.343	2.81	4.75	3.28	1.32	0.502	0.440	0.512	---	---	1.75	1971
1972	---	---	3.84	3.17	5.47	5.25	2.17	1.14	0.709	0.880	---	---	2.80	1972
1973	---	---	0.751	1.12	1.15	0.712	0.178	0.051	0.116	0.157	---	---	0.529	1973
1974	---	---	0.807	2.88	2.84	2.41	1.17	0.839	0.388	0.387	---	---	1.41	1974
1975	---	---	0.278	1.13	5.45	13.2	2.74	1.12	0.618	0.833	---	---	3.18	1975
1976	---	---	0.751	2.82	2.84	1.82	0.748	0.554	0.216	0.240	---	---	1.20	1976
1977	---	---	0.188	0.848	0.288	0.035	0	0.018	0.092	0.183	---	---	0.177	1977
1978	---	---	1.75	1.71	2.86	1.87	1.38	0.703	1.00	0.535	---	---	1.48	1978
1979	---	---	1.84	2.36	4.09	2.07	0.838	0.418	0.151	0.200	---	---	1.46	1979
1980	---	---	5.300	2.84	1.81	1.85	0.428	0.504	0.440	0.427	---	---	1.02	1980
1981	---	---	0.810	0.878	2.93	1.94	0.907	0.367	0.171	0.317	---	---	1.02	1981
1982	---	---	0.488	2.32	2.43	2.15	0.892	0.320	0.270	0.372	---	---	1.15	1982
1983	---	---	0.484	0.788	0.848	0.838	0.348	0.052	0.077	0.144	---	---	0.418	1983
1984	---	---	0.282	0.588	0.406	0.631	0.158	0.107	0.170	0.244	---	---	0.325	1984
MEAN	---	1.30	0.800	1.95	2.80	2.88	1.02	0.469	0.378	0.398	---	---	1.38	MEAN

LOCATION - LAT 48 45 14 N DRAINAGE AREA, 181 km² INTERNATIONAL GAUGING STATION
LONG 113 10 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1963

SOUTH FORK MILK RIVER NEAR BABB - STATION NO. 11AA033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1961	3.68 ON MAY 18	3.37 ON MAY 17	---	---	1961
1962	10.3 ON APR 14	7.36 ON APR 4	0.138 ON AUG 18	23 100	1962
1963	---	4.22 ON JUN 6	0.046 ON SEP 9	12 800	1963
1964	340 AT 13:00 MDT ON JUN 8 *	140 ON JUN 8	0.0578 ON MAR 24	45 500	1964
1965	9.08 AT 08:00 MDT ON MAY 28	7.65 ON APR 29	0.2278 ON MAR 27	39 600	1965
1966	15.2 AT 15:45 MDT ON JUN 4	13.1 ON JUN 4	0.1428 ON MAR 3	26 000	1966
1967	28.4 AT 23:30 MDT ON MAY 8	17.3 ON MAY 30	0.1988 ON MAR 8	47 400	1967
1968	9.40 AT 22:45 MDT ON JUN 7	8.88 ON MAY 23	0.278 ON SEP 17	23 500	1968
1969	11.2 AT 00:15 MDT ON APR 7	9.51 ON JUN 26	0.1278 ON MAR 10	30 800	1969
1970	22.7 AT 20:00 MDT ON JUN 13	14.8 ON MAY 7	0.2128 ON MAR 2	33 700	1970
1971	8.81 AT 16:15 MST ON MAY 8	8.64 ON MAY 8	0.170 ON MAR 23	37 100	1971
1972	30.0 AT 08:30 MST ON JUN 8	15.1 B ON MAR 16	0.3118 ON MAR 4	59 200	1972
1973	1.87 AT 08:00 MST ON APR 12	1.70 ON APR 12	0 ON AUG 23 *	11 200	1973
1974	8.28 AT 07:15 MST ON MAY 1	6.72 ON MAY 1	0.1428 ON MAR 8	29 800	1974
1975	283 AT 02:30 MST ON JUN 20	156 ON JUN 20 *	0.2018 ON APR 8	66 800	1975
1976	7.488 AT 02:00 MST ON APR 8	5.75 ON APR 9	0.184 ON SEP 8	25 400	1976
1977	2.568 AT 17:15 MST ON APR 8	1.678 ON APR 9	0 ON JUN 28	3 740	1977
1978	13.4 AT 00:45 MST ON MAR 30	8.13 ON MAR 30	0.1188 ON MAR 4	30 800	1978
1979	7.82 AT 15:00 MDT ON MAY 8	6.80 ON MAY 8	0.099 ON SEP 28	30 800	1979
1980	12.0 B AT 00:45 MST ON APR 15	11.4 B ON APR 15	0.147 ON AUG 2	21 800	1980
1981	12.3 AT 02:15 MDT ON MAY 16	8.82 ON MAY 16	0.078 ON SEP 20	21 500	1981
1982	11.1 AT 23:45 MDT ON APR 22	8.47 ON APR 23	0.081 ON SEP 10	24 300	1982
1983	1.42 AT 19:00 MDT ON APR 25	1.36 ON APR 25	0.011 ON SEP 5	8 850	1983
1984	5.01 AT 21:30 MST ON JUN 21	3.72 ON JUN 22	0 ON AUG 28	8 870	1984
				28 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH HEART RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	22.7	22.5	15.0	10.3	11.5	6.74	---	---	---	1921
1922	---	---	---	---	41.8	11.2	3.22	0.784	0.637	0.719	---	---	---	1922
1923	---	---	0.027	6.78	12.0	6.58	15.0	4.17	1.34	0.537	---	---	5.82	1923
1924	---	---	---	1.38	7.80	3.34	4.66	9.83	13.0	9.12	---	---	---	1924
1925	---	---	---	31.9	17.9	13.5	4.38	4.18	4.84	3.83	---	---	---	1925
1926	---	---	0.492	19.8	20.7	31.6	8.97	3.41	12.5	6.78	---	---	13.0	926
1927	---	---	---	15.9	38.4	40.8	52.6	12.6	4.18	4.05	---	---	---	1927
1928	---	---	0.358	11.6	21.8	10.0	6.05	1.94	1.89	1.01	---	---	6.84	1928
1929	---	---	---	11.1	20.8	13.1	17.2	16.8	10.2	11.9	---	---	---	1929
1930	---	---	---	22.3	30.4	66.7	21.3	3.82	2.20	1.27	---	---	---	1930
MEAN	---	---	0.292	16.1	23.2	22.1	14.7	7.00	6.25	4.90	---	---	8.58	MEAN

LOCATION - LAT 55 32 05 N DRAINAGE AREA, 4 240 km^2
LONG 116 28 56 W NATURAL FLOW

SOUTH HEART RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	53.5 ON JUN 1	---	---	1921
1922	---	59.7 ON MAY 13	---	---	1922
1923	---	36.5 ON JUL 10	0 E ON MAR 7 *	123 000	1923
1924	---	36.4 ON SEP 2	0 E ON APR 1	---	1924
1925	---	55.5 ON APR 20	---	---	1925
1926	---	59.2 ON JUN 13	0.4258 ON MAR 8	276 000	1926
1927	---	59.2 ON JUN 26	---	---	1927
1928	---	52.4 ON APR 26	0 E ON MAR 1	147 000	1928
1929	---	58.1 ON JUL 26	---	---	1929
1930	---	85.0E ON JUN 14 *	---	---	1930
				182 000	MEAN

E - ESTIMATED

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	368	890	386	151	128	103	104	92.6	---	1966
1967	80.5	94.2	143	287	628	1 240	458	127	82.4	89.6	93.9	82.2	280	1967
1968	80.1	85.0	147	94.7	156	515	218	128	178	204	151	75.7	170	1968
1969	83.6	87.4	141	338	428	570	702	150	78.6	85.6	86.7	81.3	238	1969
1970	82.6	74.3	82.6	138	313	632	281	86.7	46.3	80.2	88.4	74.0	164	1970
1971	88.5	107	94.4	223	414	896	220	123	67.7	67.5	88.1	80.7	185	1971
1972	87.4	88.7	242	226	514	887	424	263	157	143	125	86.2	263	1972
1973	80.5	82.1	144	128	243	409	217	75.6	81.2	86.9	83.4	85.9	138	1973
1974	88.4	90.4	105	223	477	828	378	174	110	73.0	78.6	86.1	223	1974
1975	89.6	80.6	88.6	157	458	916	467	125	121	121	88.5	96.6	231	1975
1976	118	121	135	157	384	259	228	343	161	93.5	71.4	82.6	175	1976
1977	71.5	93.9	80.3	74.6	68.0	101	48.7	74.6	67.5	61.6	48.9	52.1	70.1	1977
1978	46.6	85.7	157	175	348	562	302	158	220	174	84.0	100	201	1978
1979	80.1	86.7	177	186	373	334	93.9	84.6	40.9	44.6	54.3	36.6	126	1979
1980	42.6	56.6	77.0	171	300	557	105	74.9	58.4	113	119	76.6	146	1980
1981	119	126	126	126	581	854	370	245	88.7	43.3	84.6	46.7	219	1981
1982	49.3	54.3	66.0	123	187	448	304	76.1	51.7	67.7	77.0	66.1	131	1982
1983	71.2	82.3	102	100	146	223	136	82.2	40.6	36.6	74.9	43.7	83.1	1983
1984	57.6	86.9	82.6	71.6	42.1	160	100	44.9	33.0	32.6	66.3	57.1	66.6	1984
MEAN	72.6	83.7	123	185	336	562	285	134	93.6	89.1	88.0	67.6	173	MEAN

LOCATION - LAT 50 44 15 N DRAINAGE AREA, 66 000 km²
LONG 110 05 45 W REGULATED

SOUTH SASKATCHEWAN RIVER AT HIGHWAY NO. 41 - STATION NO. 05AK001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	1 190 AT 12:00 MST ON JUN 6	1 150 ON JUN 6	---	---	1966
1967	2 130 AT 15:00 MST ON JUN 3	2 010 ON JUN 3	32.0 B ON DEC 18	8 840 000	1967
1968	---	773 ON JUN 12	43.0 B ON FEB 3	5 380 000	1968
1969	---	1 880A ON JUL 2	48.0 B ON MAR 17	7 450 000	1969
1970	1 430 AT 12:58 MST ON JUN 18	1 340 ON JUN 18	32.3 B ON NOV 28	5 180 000	1970
1971	1 220 AT 04:10 MST ON JUN 10	1 200 ON JUN 10	24.4 B ON NOV 10	5 840 000	1971
1972	1 280 AT 11:40 MST ON JUN 5	1 280 ON JUN 5	30.9 B ON DEC 8	8 310 000	1972
1973	532 AT 03:25 MST ON MAY 31	532 ON MAY 31	19.8 B ON NOV 9	4 380 000	1973
1974	1 280 AT 05:00 MST ON JUN 21	1 230 ON JUN 21	38.2 B ON DEC 26	7 030 000	1974
1975	3 000 AT 19:00 MST ON JUN 23 *	2 890 ON JUN 23 *	30.6 B ON DEC 7	7 280 000	1975
1976	725 AT 18:00 MST ON AUG 9	680 ON AUG 12	30.9 B ON NOV 25	5 550 000	1976
1977	202 AT 13:00 MST ON JUN 15	195 ON JUN 15	16.1 ON MAY 3	2 210 000	1977
1978	830 AT 23:00 MST ON JUN 12	816 ON JUN 12	38.8 B ON NOV 16	6 330 000	1978
1979	701 AT 18:25 MST ON MAY 31	695 ON MAY 31	19.8 B ON DEC 3	3 980 000	1979
1980	1 080 AT 03:50 MST ON MAY 30	1 030 ON MAY 30	30.1 B ON JAN 14	4 610 000	1980
1981	1 850 AT 11:40 MST ON MAY 29	1 630 ON MAY 29	22.0 B ON DEC 1	8 920 000	1981
1982	---	637E ON JUN 22	32.0 B ON JAN 2	4 140 000	1982
1983	413 AT 01:18 MST ON JUN 4	389 ON JUN 4	32.1 ON SEP 27	2 840 000	1983
1984	270 AT 19:36 MST ON JUN 22	263 ON JUN 23	8.50B ON NOV 3 *	2 170 000	1984
				5 470 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO. 05AJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1902	---	---	---	---	---	---	---	---	---	---	---	---	---	1902
1908	---	---	---	---	---	---	---	---	---	---	---	---	---	1908
1911	---	---	---	---	---	932	731	---	---	---	120	70.8	---	1911
1912	47.1	80.4	---	---	---	541	609	378	246	172	144	87.3	---	1912
1913	46.8	57.0	58.4	254	351	842	479	347	215	188	132	88.3	254	1913
1914	72.1	44.8	114	183	416	562	400	187	127	215	157	83.8	211	1914
1915	65.3	56.1	175	151	548	914	935	523	250	201	128	87.3	337	1915
1916	48.5	149	171	208	335	1 310	1 070	439	380	213	158	94.8	381	1916
1917	64.0	80.8	87.5	180	800	1 210	571	218	147	140	90.2	31.1	261	1917
1918	88.8	87.1	143	145	292	597	258	188	128	104	89.2	58.4	178	1918
1919	57.1	48.1	47.3	135	354	410	188	227	101	89.9	85.2	85.1	145	1919
1920	47.5	58.5	128	241	532	571	658	247	98.3	111	79.5	80.0	236	1920
1921	56.8	59.8	74.7	158	421	850	299	147	89.8	71.0	70.1	59.8	178	1921
1922	53.8	39.7	49.7	131	373	822	268	140	90.9	88.2	59.8	40.7	182	1922
1923	46.8	36.1	57.5	108	292	1 510	573	263	151	119	79.9	51.0	273	1923
1924	41.7	62.8	68.6	98.4	307	547	323	273	112	78.8	79.4	80.9	171	1924
1925	68.7	85.2	174	327	473	822	300	183	132	194	110	87.0	228	1925
1926	54.0	55.2	91.7	138	155	207	208	82.7	373	304	144	96.7	159	1926
1927	77.3	72.0	124	188	529	1 260	885	400	442	255	161	102	357	1927
1928	197	110	248	175	521	788	773	233	152	171	111	63.8	295	1928
1929	54.5	52.8	119	90.6	389	922	178	74.8	43.8	25.4	48.4	58.2	171	1929
1930	42.3	113	113	212	353	533	327	108	52.0	74.3	58.2	66.8	171	1930
1931	52.1	48.9	55.5	75.2	146	298	159	82.8	66.8	---	---	---	---	1931
1932	---	---	---	151	420	887	269	124	124	85.1	80.2	80.4	---	1932
1933	52.7	48.8	87.3	184	410	666	315	86.0	73.0	72.3	152	---	---	1933
1935	---	---	81.6	188	280	498	284	145	67.9	49.4	66.7	44.3	---	1935
1936	45.8	46.1	111	207	298	389	73.8	47.0	23.4	18.1	36.1	26.7	108	1936
1937	30.2	33.6	69.2	123	154	530	174	101	39.9	83.3	88.3	61.8	121	1937
1938	58.7	44.9	94.2	207	452	578	382	127	86.0	90.0	67.4	52.1	184	1938
1939	41.5	41.8	88.3	136	218	454	268	78.7	51.8	52.6	74.0	52.8	130	1939
1940	42.7	45.2	97.5	176	345	273	131	87.1	128	120	77.2	59.6	132	1940
1941	44.5	45.7	110	127	116	215	98.5	58.4	83.6	110	83.6	66.1	96.6	1941
1942	53.0	47.9	85.6	138	584	882	570	284	193	159	81.7	73.5	261	1942
1943	67.5	77.6	123	388	312	505	427	127	48.0	38.4	58.2	61.7	187	1943
1944	60.5	52.9	60.3	97.0	73.2	229	118	101	56.7	46.7	66.8	59.3	84.0	1944
1945	56.1	50.6	67.9	84.4	239	726	358	77.1	78.2	87.0	78.4	83.6	167	1945
1946	81.3	72.1	116	137	289	528	282	82.5	124	100	86.3	110	176	1946
1947	88.4	121	270	293	603	631	289	111	150	241	162	89.9	254	1947
1948	78.8	72.7	116	453	1 020	1 430	387	300	88.1	86.5	74.1	59.4	344	1948
1949	79.0	68.0	59.9	176	282	336	96.0	65.7	30.8	40.7	82.4	86.6	112	1949
1950	58.9	65.3	87.8	210	321	676	430	148	70.3	86.6	117	84.7	198	1950
1951	83.9	90.5	123	334	757	943	691	333	826	401	283	148	418	1951
1952	118	119	151	559	442	520	408	270	136	100	81.0	78.0	248	1952
1953	72.8	95.3	98.2	226	529	1 640	605	223	153	104	84.5	63.2	327	1953
1954	61.8	104	86.1	225	553	690	507	257	303	247	172	108	278	1954
1955	79.8	75.6	86.6	262	459	816	482	119	78.6	129	135	108	220	1955
1956	116	86.3	163	258	421	593	381	185	131	114	78.2	80.3	218	1956
1957	71.2	72.4	154	154	558	417	122	50.8	73.3	84.9	120	87.7	184	1957
1958	78.4	97.2	111	341	447	471	352	124	70.8	90.8	120	109	201	1958
1959	87.1	110	130	177	385	841	329	114	111	132	148	138	207	1959
1960	104	94.7	172	239	323	369	233	103	30.8	35.3	85.1	78.8	154	1960
1961	72.7	80.9	103	97.2	331	545	101	99.6	54.3	118	122	86.0	152	1961
1962	106	136	150	275	231	312	143	89.1	87.6	58.9	77.6	50.8	141	1962
1963	81.4	83.1	128	75.0	137	381	505	142	108	85.2	72.5	94.0	158	1963
1964	71.4	82.9	82.3	127	465	840	318	70.8	41.8	89.4	81.9	82.8	197	1964
1965	78.7	88.9	102	257	283	772	626	225	212	244	156	102	284	1965
1966	93.6	90.9	160	239	389	889	390	142	122	97.0	99.9	93.0	218	1966
1967	82.0	99.0	139	243	595	1 240	422	118	75.1	64.2	91.3	82.6	269	1967
1968	85.3	87.2	125	92.3	175	517	212	124	181	197	145	89.5	187	1968
1969	92.3	83.7	142	340	441	808	680	145	76.9	79.2	77.0	85.4	238	1969
1970	86.9	75.9	85.3	125	317	603	241	86.0	47.5	76.2	86.5	79.1	158	1970
1971	71.5	108	95.2	222	423	665	201	117	66.2	76.4	94.9	86.1	182	1971
1972	86.4	83.0	248	220	530	824	417	248	154	139	124	79.7	287	1972
1973	83.2	85.1	148	127	251	392	189	71.0	55.3	64.4	74.6	85.6	138	1973
1974	88.1	97.9	107	235	477	822	386	151	100	77.1	78.8	85.2	220	1974
1975	72.6	84.0	86.2	151	463	942	440	115	110	115	82.4	110	231	1975
1976	121	117	128	158	367	850	207	356	147	92.0	87.6	71.9	175	1976
1977	77.0	89.7	85.2	73.8	81.0	86.6	43.7	75.6	80.4	54.7	56.1	60.3	67.6	1977
1978	83.9	75.1	170	158	359	585	319	151	219	163	93.9	95.3	205	1978
1979	80.7	89.3	185	185	382	320	81.1	47.8	36.7	41.6	83.6	40.7	126	1979
1980	61.6	60.0	78.8	153	299	539	93.9	77.6	57.2	105	107	80.0	141	1980
1981	120	130	110	108	636	882	381	238	88.0	40.5	86.6	48.7	220	1981
1982	60.3	54.3	66.4	116	150	455	277	83.6	46.7	74.8	89.3	70.6	124	1982
1983	70.9	85.0	97.1	101	139	208	128	64.6	35.0	32.4	72.1	42.0	88.5	1983
1984	80.3	88.1	81.9	62.4	40.7	156	81.1	45.6	30.3	28.1	81.9	66.3	66.4	1984
MEAN	70.6	75.8	114	188	374	642	357	162	122	111	97.3	73.3	200	MEAN

LOCATION - LAT 50 02 35 N DRAINAGE AREA, 66 400 km²
LONG 110 40 40 W REGULATED

SOUTH SASKATCHEWAN RIVER AT MEDICINE HAT - STATION NO 05AJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1902	5 880 IN AUG *	---	---	---	1902
1908	5 240 IN AUG	---	---	---	1908
1911	---	1 140 ON JUN 19	---	---	1911
1912	---	1 130 ON JUN 19	28.9 ON JAN 4	---	1912
1913	---	974 ON JUN 4	27.6 B ON JAN 19	7 880 000	1913
1914	---	722 ON JUN 7	37.1 B ON FEB 4	6 850 000	1914
1915	2 550 AT 21:00 MST ON JUN 28	2 400 ON JUN 28	47.0 B ON DEC 31	10 800 000	1915
1916	---	2 200 ON JUN 23	38.6 B ON JAN 10	12 100 000	1916
1917	---	1 630 ON JUN 5	18.8 B ON DEC 15	8 880 000	1917
1918	---	1 040 ON JUN 16	30.3 B ON FEB 26	5 620 000	1918
1919	---	991E ON JUN 1	27.6 B ON FEB 11	4 570 000	1919
1920	---	824 ON JUL 10	37.4 B ON FEB 2	7 470 000	1920
1921	---	912 ON MAY 29	35.7 ON SEP 26	5 600 000	1921
1922	---	940 ON JUN 8	25.5 B ON DEC 18	5 100 000	1922
1923	4 110 AT 22:00 MST ON JUN 3	3 710 ON JUN 3	31.7 B ON FEB 26	8 620 000	1923
1924	---	821 ON JUN 17	27.8 B ON JAN 8	5 400 000	1924
1925	---	963 ON MAY 25	50.1 B ON JAN 16	7 210 000	1925
1926	---	682 ON SEP 14	33.4 ON JUN 12	5 030 000	1926
1927	2 140 AT 17:00 MST ON JUN 13	2 080 ON JUN 13	50.4 B ON DEC 15	11 300 000	1927
1928	1 840 AT 13:00 MST ON JUL 3	1 830 ON JUL 3	37.4 B ON DEC 5	9 340 000	1928
1929	3 450 AT 22:00 MST ON JUN 5	3 060 ON JUN 5	10.2 B ON NOV 21	5 390 000	1929
1930	---	725 ON JUN 12	24.5 ON SEP 2	5 380 000	1930
1931	---	524 ON JUN 22	---	---	1931
1932	2 940 ON JUN 5	2 710 ON JUN 5	---	---	1932
1933	---	940 ON JUN 20	---	---	1933
1935	---	682 ON JUN 20	---	---	1935
1936	694 ON JUN 5	688 ON JUN 5	12.6 B ON NOV 3	3 420 000	1936
1937	1 370 ON JUN 16	1 290 ON JUN 16	18.8 B ON FEB 2	3 820 000	1937
1938	---	1 090 ON MAY 29	37.4 B ON DEC 31	6 130 000	1938
1939	---	960 ON JUN 19	18.4 ON OCT 27	4 100 000	1939
1940	---	572 ON MAY 28	20.2 B ON JAN 26	4 180 000	1940
1941	---	391 ON JUN 6	29.7 B ON JAN 20	3 050 000	1941
1942	2 850 AT 10:30 MST ON MAY 14	2 080 ON MAY 14	25.5 B ON FEB 23	8 240 000	1942
1943	---	731 ON JUN 22	20.5 ON OCT 6	5 880 000	1943
1944	---	317 ON JUN 17	25.2 ON OCT 23	2 880 000	1944
1945	1 050 AT 08:00 MST ON JUN 9	1 030 ON JUN 8	34.0 B ON NOV 9	5 270 000	1945
1946	---	883 ON JUN 1	60.0 ON AUG 17	5 550 000	1946
1947	1 050 AT 16:40 MST ON MAY 13	1 040 ON MAY 13	66.3 B ON NOV 23	8 010 000	1947
1948	2 620 AT 08:15 MST ON JUN 20	2 550 ON JUN 20	16.3 ON SEP 30	10 800 000	1948
1949	---	575 ON JUN 4	12.7 ON OCT 20	3 530 000	1949
1950	---	1 090 ON JUN 25	30.0 ON OCT 16	6 260 000	1950
1951	1 780 AT 00:20 MST ON JUN 27	1 680 ON SEP 2	71.6 B ON JAN 31	13 200 000	1951
1952	---	1 070 ON JUN 15	34.8 B ON NOV 27	7 880 000	1952
1953	4 300 AT 08:30 MST ON JUN 11	4 080 ON JUN 11 *	40.2 B ON JAN 19	10 300 000	1953
1954	1 090 AT 08:20 MST ON MAY 22	1 090 ON MAY 22	45.6 B ON MAR 13	6 780 000	1954
1955	---	991 ON MAY 22	37.7 ON SEP 17	6 940 000	1955
1956	---	957 ON JUN 5	33.1 B ON NOV 20	6 900 000	1956
1957	739 AT 21:00 MST ON MAY 23	733 ON MAY 24	34.3 ON AUG 13	5 180 000	1957
1958	851 AT 16:10 MST ON JUN 13	848 ON JUN 13	35.1 B ON JAN 3	6 350 000	1958
1959	917 AT 10:00 MST ON JUN 30	889 ON JUN 30	50.1 B ON JAN 8	6 520 000	1959
1960	---	580 ON MAY 16	19.9 ON SEP 20	4 880 000	1960
1961	---	951 ON MAY 30	33.7 B ON NOV 30	4 780 000	1961
1962	---	379 ON JUN 19	22.9 B ON DEC 26	4 440 000	1962
1963	1 970 AT 22:00 MST ON JUL 2	1 550 ON JUL 3	13.4 B ON NOV 22	4 980 000	1963
1964	1 950 AT 18:00 MST ON JUN 11	1 830 ON JUN 11	27.1 ON SEP 21	6 230 000	1964
1965	1 840 AT 17:00 MST ON JUN 20	1 520 ON JUN 21	43.6 B ON DEC 31	8 320 000	1965
1966	1 150 AT 17:00 MST ON JUN 7	1 130 ON JUN 7	38.1 B ON JAN 2	6 800 000	1966
1967	2 380 AT 04:00 MST ON JUN 3	2 170 ON JUN 3	37.8 ON DEC 25	8 480 000	1967
1968	---	827 ON JUN 18	38.1 ON DEC 8	5 290 000	1968
1969	2 010 AT 23:30 MST ON JUL 1	1 880 ON JUL 2	41.6 ON SEP 25	7 440 000	1969
1970	1 440 AT 04:40 MST ON JUN 17	1 360 ON JUN 17	33.7 B ON NOV 27	4 970 000	1970
1971	1 270 AT 09:30 MST ON JUN 8	1 240 ON JUN 8	24.4 ON NOV 8	5 730 000	1971
1972	1 370 AT 13:00 MST ON JUN 4	1 350 ON JUN 4	35.7 B ON JAN 11	8 430 000	1972
1973	544 AT 03:30 MST ON MAY 30	521 ON MAY 30	23.5 B ON NOV 7	4 280 000	1973
1974	1 320 AT 09:30 MST ON JUN 20	1 290 ON JUN 20	24.0 B ON DEC 1	6 940 000	1974
1975	3 170 AT 01:00 MST ON JUN 23	2 880 ON JUN 23	21.5 B ON NOV 26	7 280 000	1975
1976	782 AT 20:50 MST ON AUG 8	731 ON AUG 11	38.0 B ON DEC 1	5 530 000	1976
1977	174 AT 14:50 MST ON JUN 14	169 ON JUN 14	13.1 ON APR 30	2 130 000	1977
1978	867 AT 05:40 MST ON JUN 12	855 ON JUN 12	38.2 B ON NOV 14	6 480 000	1978
1979	744 AT 18:30 MST ON MAY 30	734 ON MAY 30	19.8 B ON DEC 1	3 980 000	1979
1980	1 110 AT 18:35 MST ON MAY 29	1 080 ON MAY 29	30.1 B ON JAN 12	4 450 000	1980
1981	1 720 AT 02:30 MST ON MAY 25	1 550 ON MAY 25	22.0 B ON NOV 29	8 930 000	1981
1982	857 AT 08:46 MST ON JUN 20	835 ON JUN 20	35.0 B ON JAN 2	3 920 000	1982
1983	388 AT 02:23 MST ON JUN 3	380 ON JUN 3	27.0 ON SEP 27	2 780 000	1983
1984	280 AT 21:08 MST ON JUL 3	244 ON JUL 3	8.508 ON NOV 1 *	2 100 000	1984
				8 310 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY CREEK AT SPRAY LAKES - STATION NO. 05BC003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	---	---	---	2.47	1.88	---	---	---	---	1914
1915	---	---	---	---	---	---	12.1	4.13	2.18	---	---	---	---	1915
1916	---	---	---	---	---	---	---	4.87	4.04	2.27	---	---	---	1916
1917	---	---	---	---	---	---	---	2.87	---	---	---	---	---	1917
1918	---	---	---	---	1.88	5.13	2.70	2.08	1.84	---	---	---	---	1918
1919	---	---	---	---	2.36	3.44	2.45	2.82	1.68	---	---	---	---	1919
1921	---	---	---	---	---	2.49	5.03	3.82	2.07	1.34	1.18	---	---	1921
1922	---	---	---	0.840	1.63	4.08	2.77	2.02	1.38	1.03	---	---	---	1922
1924	---	---	---	---	---	4.00	4.00	3.20	1.87	1.24	1.08	0.883	---	1924
1925	0.718	0.781	0.890	0.974	2.38	5.08	3.18	2.87	2.24	1.74	1.24	1.08	1.90	1925
1926	0.908	0.857	0.813	1.04	1.38	2.08	2.28	1.31	3.17	1.84	1.42	1.18	1.63	1926
1927	0.937	0.818	0.782	0.772	1.49	7.20	5.59	3.54	2.80	1.73	1.49	1.17	2.38	1927
1928	1.11	0.987	0.852	0.912	3.77	8.07	5.21	2.73	1.78	1.38	1.18	1.08	2.50	1928
1929	0.883	0.891	0.781	0.837	1.52	5.00	2.87	1.81	1.44	1.17	1.01	0.945	1.88	1929
1930	0.762	0.734	0.780	1.04	2.22	5.72	4.34	2.11	1.71	1.31	1.08	0.903	1.89	1930
1931	0.803	0.721	0.888	---	---	---	2.08	1.46	1.26	1.10	0.972	0.901	---	1931
1932	0.842	---	---	---	---	5.58	3.82	2.30	2.13	1.48	1.03	0.880	---	1932
1933	0.787	0.668	0.672	0.718	1.78	4.67	4.02	2.38	1.68	1.28	0.950	0.894	1.71	1933
1934	0.778	0.881	0.881	1.02	2.84	3.34	2.18	1.41	1.21	1.18	0.902	0.803	1.40	1934
1935	0.737	0.835	0.804	0.873	1.34	3.80	4.08	2.81	1.82	1.24	0.891	0.728	1.58	1935
1936	0.822	0.878	0.823	1.01	1.82	3.66	1.78	1.23	0.938	0.805	0.788	0.707	1.21	1936
1937	0.822	0.809	0.885	0.808	1.20	3.81	3.22	2.08	1.42	1.28	1.27	1.13	1.80	1937
1938	1.08	1.02	1.12	1.09	2.44	5.38	3.84	1.78	1.34	1.03	0.808	0.707	1.80	1938
1939	0.837	0.813	0.888	0.881	1.50	2.83	3.23	1.80	1.49	1.34	---	---	---	1939
MEAN	0.811	0.738	0.735	0.858	1.99	4.83	3.82	2.39	1.81	1.38	1.07	0.932	1.75	MEAN

LOCATION - LAT 50 53 00 N LONG 115 22 00 W
DRAINAGE AREA, 117 km²
NATURAL FLOW

SPRAY CREEK AT SPRAY LAKES - STATION NO. 05BC003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1914	---	---	---	---	1914
1915	---	14.8 ON JUN 29	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	10.2 ON JUN 14	---	---	1918
1919	---	8.23 ON MAY 27	---	---	1919
1921	---	7.36 ON JUN 8	---	---	1921
1922	---	8.83 ON JUN 9	---	---	1922
1924	---	7.93 ON JUL 2	---	---	1924
1925	---	7.73 ON JUN 22	0.831 ON MAR 28	59 800	1925
1926	---	4.98 ON SEP 3	0.778 ON MAR 22	48 300	1926
1927	---	10.8 ON JUN 11	0.722 ON APR 13	74 800	1927
1928	---	12.0 ON JUN 28	0.810 ON MAR 15	78 200	1928
1929	---	11.4 ON JUN 5	0.8808 ON JAN 29	62 800	1929
1930	---	7.96 ON JUN 8	0.8818 ON JAN 20	59 700	1930
1931	---	---	---	---	1931
1932	---	25.5 ON JUN 3 *	---	---	1932
1933	---	8.49 ON JUN 17	0.889 ON APR 18	53 900	1933
1934	---	5.32 ON MAY 30	0.823E ON FEB 15	44 200	1934
1935	---	4.87 ON JUN 23	0.8958 ON MAR 11	50 000	1935
1936	---	7.98 ON JUN 2	0.8885 ON FEB 8 *	38 200	1936
1937	---	8.84 ON JUN 17	0.8958 ON JAN 21	47 300	1937
1938	---	8.84 ON JUN 23	0.880E ON DEC 21	58 800	1938
1939	---	5.32 ON JUN 23	0.898E ON FEB 8	---	1939
				55 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	4.84	8.41	8.08	12.8	20.7	---	1975
1976	18.3	18.5	18.3	11.3	14.6	22.6	18.1	8.50	9.78	11.8	15.3	7.37	13.7	1976
1977	18.8	18.8	8.31	8.10	9.08	1.43	0.888	3.00	7.25	7.13	8.53	10.1	8.88	1977
1978	13.7	14.7	16.8	16.2	7.73	8.50	5.73	5.42	12.3	12.1	11.8	15.1	11.8	1978
1979	22.8	28.0	26.4	10.3	5.81	0.918	3.88	2.43	0.283	3.37	4.81	8.01	8.45	1979
1980	10.8	7.87	7.25	8.52	8.47	21.8	13.7	9.98	8.34	8.18	10.3	15.8	10.8	1980
1981	19.3	19.8	18.8	17.3	23.4	28.7	30.8	31.8	20.4	0.867	0.888	7.20	18.2	1981
1982	18.4	11.8	8.82	3.78	1.30	4.75	8.83	8.84	8.08	10.2	15.8	18.1	8.34	1982
1983	20.8	15.7	12.8	8.24	8.80	8.48	4.27	10.2	0.408	8.15	10.8	15.3	10.0	1983
1984	18.2	18.0	11.4	8.12	8.88	4.01	3.74	3.17	3.40	8.28	12.8	18.8	8.80	1984
MEAN	17.8	18.8	13.8	10.3	8.87	10.8	8.88	8.38	7.88	7.48	10.4	13.8	11.2	MEAN

LOCATION - LAT 51 05 20 N LONG 115 22 25 W
REGULATED
DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

SPRAY POWER DIVERSION AT CANMORE - STATION NO. 05BE007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	32.3 ON JUN 4	0.283 ON MAR 7 *	435 000	1976
1977	---	27.8 ON JAN 31	0.283 ON MAR 18	270 000	1977
1978	---	34.4 ON DEC 11	0.283 ON MAY 8	385 000	1978
1979	---	32.3 ON FEB 14	0.283 ON MAY 29	288 000	1979
1980	---	34.8 ON JUN 15	0.283 ON MAY 18	332 000	1980
1981	---	37.4 ON SEP 11 *	0.283 ON MAY 10	574 000	1981
1982	---	27.8 ON JAN 31	0.283 ON MAR 12	295 000	1982
1983	---	25.5 ON AUG 7	0.283 ON MAY 22	317 000	1983
1984	---	24.4 ON FEB 14	0.283 ON JUN 1	300 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		354 000	MEAN

SPRAY RESERVOIR SPILLWAY NEAR CANYON DAM - STATION NO. 05BC007

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	13.1	7.32	---	0.184	---	---	1974
MEAN	---	---	---	---	---	---	---	13.1	7.32	---	0.184	---	---	MEAN

LOCATION - LAT 50 63 25 N
LONG 115 22 45 W REGULATED

DATA CONTRIBUTED BY - TRANSALTA UTILITIES CORPORATION

SPRAY RESERVOIR SPILLWAY NEAR CANYON DAM - STATION NO. 05BC007

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	0E ON JUL 20 *	---	1974
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

SPRAY RIVER AT BANFF - STATION NO. 05BC001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1910	---	---	---	---	---	---	---	22.2	13.9	12.5	---	---	---	1910
1911	5.64	4.12	4.04	4.41	11.0	57.0	43.1	23.5	15.4	8.94	6.40	5.91	15.6	1911
1912	4.25	3.89	3.08	3.78	14.6	39.7	39.6	25.7	18.4	12.1	7.89	6.74	15.0	1912
1913	5.71	4.28	4.14	5.40	15.2	60.8	29.5	25.7	19.9	12.6	8.46	6.38	18.5	1913
1914	5.54	4.72	4.73	5.09	21.6	55.0	49.2	21.9	13.8	15.1	9.42	6.20	17.7	1914
1915	5.17	5.07	4.65	7.52	19.1	33.5	41.6	24.3	14.4	10.3	7.26	6.48	15.2	1915
1916	5.20	4.58	4.46	5.14	12.6	61.2	68.4	32.2	24.8	11.6	7.72	5.08	20.1	1916
1917	4.62	4.48	3.86	4.06	17.5	40.5	42.0	21.3	11.7	8.75	5.71	5.24	14.2	1917
1918	4.89	3.72	3.73	5.10	18.0	58.1	30.4	20.8	12.5	9.07	8.49	5.87	14.8	1918
1919	4.44	3.85	3.68	4.48	28.1	41.5	27.4	21.5	12.3	7.07	5.52	3.73	13.7	1919
1920	3.27	2.92	2.53	3.14	7.90	33.2	57.7	20.7	12.5	10.4	5.94	4.80	13.8	1920
1921	3.73	3.92	3.48	4.10	22.1	48.9	38.4	16.8	10.3	8.25	6.52	5.20	14.4	1921
1922	4.36	3.38	2.67	3.32	14.7	40.4	24.0	16.8	11.3	7.53	5.35	4.70	11.6	1922
1923	4.26	3.96	4.38	4.54	14.8	85.2	34.9	19.4	12.1	8.00	6.08	5.00	15.2	1923
1924	4.61	4.83	4.18	3.14	19.9	31.5	28.9	20.5	13.5	9.01	6.15	5.14	12.6	1924
1925	3.67	3.63	3.57	5.28	31.3	51.8	31.7	20.8	14.7	10.0	6.37	4.94	15.8	1925
1926	3.80	4.21	3.60	7.04	14.1	20.2	18.9	12.0	10.0	14.4	8.96	4.38	10.9	1926
1927	3.00	3.34	3.81	4.58	11.0	60.9	45.9	22.5	18.2	15.9	9.19	6.23	17.2	1927
1928	4.34	4.35	4.63	5.80	34.5	53.3	43.5	19.0	12.1	8.81	6.38	4.86	16.9	1928
1929	4.13	3.25	3.50	3.60	11.7	48.3	25.2	16.6	11.7	8.72	5.63	5.77	12.4	1929
1930	4.26	3.93	4.02	8.45	22.0	44.9	35.7	20.1	13.6	9.43	6.01	3.94	14.7	1930
1931	3.46	3.42	3.58	3.84	18.1	40.6	27.0	15.1	11.7	7.95	6.03	4.79	12.3	1931
1932	3.16	2.74	3.82	3.47	20.3	71.5	32.4	19.7	14.0	7.94	5.75	4.46	15.8	1932
1933	4.19	4.16	3.96	4.12	15.1	67.7	49.3	23.9	14.7	10.6	7.84	5.03	17.6	1933
1934	3.61	3.40	3.73	12.3	35.9	38.4	24.1	15.8	11.8	9.33	7.02	4.40	14.0	1934
1935	3.85	3.34	3.55	3.42	13.3	47.8	41.3	23.1	12.0	7.34	5.78	4.01	14.1	1935
1936	3.83	3.39	4.58	5.39	21.8	32.1	20.2	13.0	9.22	8.22	4.15	4.14	10.7	1936
1937	3.02	3.04	3.56	2.74	14.1	37.7	30.7	16.1	10.8	9.80	8.86	5.53	12.2	1937
1938	4.72	2.93	4.23	3.73	22.5	55.5	33.7	13.4	9.14	8.81	4.62	3.17	13.7	1938
1939	2.69	2.52	3.45	3.25	21.6	30.8	31.4	16.1	11.5	10.2	7.06	4.58	12.1	1939
1940	3.70	3.40	3.50	3.89	22.9	37.3	22.4	12.5	13.4	7.74	5.51	4.17	11.7	1940
1941	3.47	3.09	2.99	4.95	16.1	30.8	16.9	11.7	12.9	8.96	7.03	5.14	10.4	1941
1942	4.42	4.21	3.74	3.71	22.4	38.5	34.9	18.0	12.6	8.47	5.84	4.96	13.4	1942
1943	5.06	3.86	2.89	5.81	10.5	28.9	43.7	20.6	10.1	8.76	5.59	4.81	12.8	1943
1944	3.80	2.91	3.09	3.73	14.4	24.4	14.9	16.2	11.4	9.02	5.88	4.44	9.81	1944
1945	3.67	3.27	3.26	3.12	11.3	36.8	30.0	14.7	10.5	8.99	6.58	4.73	11.4	1945
1946	4.11	2.90	3.13	3.86	22.6	52.9	35.4	15.5	13.3	8.40	6.17	4.19	14.4	1946
1947	3.43	3.82	3.98	5.29	30.1	50.1	36.8	16.9	16.7	13.9	9.77	5.49	15.8	1947
1948	5.55	4.09	3.92	5.41	35.8	59.7	30.5	24.9	11.9	8.06	6.34	5.72	16.9	1948
1949	4.58	3.84	3.85	4.95	19.5	26.4	16.3	13.4	11.5	2.04	1.71	1.39	9.11	1949
1950	1.08	1.08	0.912	0.931	2.31	9.92	8.81	7.56	6.56	5.14	5.76	5.28	4.71	1950
1951	6.14	12.0	24.9	29.4	14.6	15.5	35.1	22.0	16.3	8.39	5.65	5.01	16.3	1951
1952	3.24	2.96	3.58	4.57	8.22	10.1	8.59	6.55	5.92	4.53	3.83	3.37	5.48	1952
1953	3.57	3.73	3.78	3.81	5.69	12.2	9.75	8.14	5.29	4.86	2.62	2.53	5.34	1953
1954	2.03	1.31	0.741	2.04	5.16	10.1	9.35	8.70	5.07	2.83	1.81	1.22	4.20	1954
1955	1.13	1.37	1.35	1.80	2.80	8.59	6.58	6.20	3.83	1.88	1.88	1.16	3.18	1955
1956	0.806	0.549	0.492	1.28	5.47	8.16	5.32	4.95	3.32	1.83	1.27	1.02	2.88	1956
1957	0.923	0.523	0.706	1.39	6.00	6.10	6.30	5.97	3.44	1.86	1.44	1.06	2.99	1957
1958	0.677	0.437	0.736	0.933	4.37	6.15	5.91	6.20	4.15	1.33	1.13	1.13	2.78	1958
1959	0.861	0.946	0.852	0.858	3.35	8.30	6.04	5.87	3.84	2.02	1.43	1.45	2.86	1959
1960	1.14	1.07	1.06	1.19	2.73	6.67	7.00	6.88	4.76	1.47	1.75	0.939	3.08	1960
1961	1.42	0.986	0.883	0.887	6.43	9.64	5.82	5.56	3.79	2.27	1.43	0.964	3.34	1961
1962	0.914	0.865	0.873	1.30	2.61	6.18	5.54	5.65	3.30	1.44	1.06	1.02	2.57	1962
1963	1.16	1.37	1.44	1.58	3.37	6.81	6.18	5.93	3.70	1.82	1.31	0.882	2.97	1963
1964	1.07	0.663	0.762	0.867	2.95	12.0	6.82	5.59	4.00	2.42	2.09	1.84	3.40	1964
1965	1.13	1.28	1.11	1.42	2.67	8.95	7.77	5.96	3.98	2.73	1.94	1.59	3.39	1965
1966	1.43	1.11	1.18	1.60	5.48	9.20	7.36	6.61	3.13	1.75	1.32	1.46	3.49	1966
1967	1.12	1.21	1.32	1.22	2.84	12.0	6.68	5.77	2.95	1.84	1.40	1.07	3.27	1967
1968	0.853	0.751	0.928	0.895	1.80	6.08	5.82	5.68	2.73	1.51	1.22	0.914	2.44	1968
1969	1.01	0.891	0.941	1.43	4.75	7.20	7.55	5.41	3.46	2.41	2.38	1.20	3.23	1969
1970	0.914	0.943	0.975	0.926	1.81	7.00	5.80	5.75	3.39	1.30	1.11	0.993	2.58	1970
1971	0.891	0.897	0.812	0.975	4.67	6.38	5.78	5.51	2.88	1.51	1.12	0.751	2.88	1971
1972	0.895	0.911	1.07	1.08	4.37	9.61	5.98	6.41	3.28	1.72	1.43	3.60	3.37	1972
1973	3.12	2.20	2.45	2.39	4.88	9.44	6.80	5.83	4.92	3.04	2.89	2.68	4.21	1973
1974	2.89	1.74	1.55	1.76	4.20	13.1	12.4	21.0	14.9	6.22	2.87	0.950	6.99	1974
1975	0.789	0.725	0.754	0.973	2.01	5.40	6.28	5.92	2.68	1.93	1.78	1.62	2.58	1975
1976	1.55	1.24	0.754	1.05	4.87	6.80	6.42	6.10	3.50	2.10	1.62	1.52	3.12	1976
1977	1.25	1.05	0.797	1.33	2.71	6.07	4.50	4.54	2.75	1.82	1.43	1.38	2.39	1977
1978	1.18	1.20	1.08	1.33	3.17	8.08	5.25	3.93	2.72	2.34	1.84	1.27	2.79	1978
1979	1.36	1.19	1.32	1.46	2.88	6.08	3.74	3.20	4.29	1.97	1.28	0.849	2.39	1979
1980	0.834	1.28	1.21	1.89	5.99	8.45	3.89	2.95	2.62	2.29	1.44	1.26	2.83	1980
1981	1.84	1.14	1.26	1.48	6.74	7.88	7.90	5.01	2.70	2.15	1.73	1.28	3.43	1981
1982	1.46	1.59	1.47	1.61	3.31	8.21	5.58	4.76	2.89	2.48	2.18	1.80	3.10	1982
1983	1.35	1.68	1.38	1.85	3.13	6.04	4.12	3.09	5.12	2.12	1.87	1.47	2.88	1983
1984	1.23	1.37	2.03	2.07	2.36	5.84	3.88	2.54	2.37	2.03	2.10	1.71	2.48	1984
MEAN	2.92	2.69	2.89	3.63	12.2	27.6	21.4	13.3	9.21	6.22	4.38	3.35	9.15	MEAN

LOCATION - LAT 51 09 30 N DRAINAGE AREA, 749 km²
LONG 115 33 00 W REGULATED SINCE 1949

SPRAY RIVER AT BANFF - STATION NO. 05BC001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1910	---	---	---	---	1910
1911	---	74.8 ON JUN 18	3.28 ON APR 4	500 000	1911
1912	---	71.6 ON JUN 17	3.12 ON MAR 29	476 000	1912
1913	---	83.8 ON JUN 11	3.85 B ON MAR 21	521 000	1913
1914	---	88.1 ON JUN 19	3.57 B ON MAR 28	558 000	1914
1915	---	85.1 E ON JUN 25	4.19 ON MAR 27	480 000	1915
1916	---	127 ON JUN 20	3.88 B ON MAR 2	837 000	1916
1917	---	87.7 ON JUN 17	3.55 B ON MAR 18	448 000	1917
1918	---	113 ON JUN 14	3.00 B ON FEB 19	486 000	1918
1919	---	83.3 ON MAY 29	3.11 B ON DEC 30	432 000	1919
1920	---	88.1 ON JUL 3	1.90 B ON MAR 3	437 000	1920
1921	---	88.2 ON JUN 8	2.38 B ON JAN 29	453 000	1921
1922	---	81.2 ON JUN 5	2.55 B ON MAR 21	365 000	1922
1923	---	131 ON JUN 14	3.71 B ON JAN 31	480 000	1923
1924	---	84.9 ON JUL 4	2.66 ON APR 15	400 000	1924
1925	---	70.8 ON JUN 22	3.28 ON APR 2	498 000	1925
1926	---	43.0 ON SEP 1	2.83 B ON MAR 27	344 000	1926
1927	---	88.3 ON JUN 11	2.72 B ON APR 8	542 000	1927
1928	---	82.1 ON MAY 27	3.99 B ON FEB 21	533 000	1928
1929	---	89.7 ON JUN 4	2.58 B ON APR 5	390 000	1929
1930	---	80.6 ON JUN 11	3.80 B ON DEC 30	485 000	1930
1931	---	54.7 ON JUN 10	2.78 ON MAR 27	386 000	1931
1932	---	143 ON JUN 3	1.81 B ON MAR 2	498 000	1932
1933	---	156 ON JUN 17 *	3.14 ON APR 18	555 000	1933
1934	---	81.3 ON MAY 30	2.35 ON MAR 28	443 000	1934
1935	---	81.4 ON JUN 22	2.55 B ON DEC 30	444 000	1935
1936	---	67.7 ON JUN 1	1.42 B ON JAN 18	338 000	1936
1937	---	49.8 ON JUN 23	1.78 ON APR 12	385 000	1937
1938	---	77.5 ON MAY 27	1.98 B ON DEC 28	434 000	1938
1939	---	53.0 ON MAY 30	1.90 B ON FEB 10	381 000	1939
1940	---	48.7 ON MAY 25	1.73 ON APR 11	370 000	1940
1941	---	45.0 ON JUN 9	2.48 B ON JAN 24	326 000	1941
1942	---	60.0 ON JUL 3	2.89 B ON JAN 1	422 000	1942
1943	---	88.5 ON JUL 10	2.44 B ON MAR 15	395 000	1943
1944	---	32.0 ON JUN 13	2.41 B ON JAN 27	301 000	1944
1945	---	58.9 ON JUN 22	2.80 B ON MAR 5	381 000	1945
1946	---	78.4 ON MAY 29	2.38 B ON FEB 8	454 000	1946
1947	---	56.1 ON JUN 2	3.26 B ON JAN 1	529 000	1947
1948	127 AT 04:00 MST ON MAY 24	118 ON MAY 24	3.31 B ON MAR 10	533 000	1948
1949	42.2 AT 12:00 MST ON JUN 7	39.9 ON JUN 7	1.27 B ON DEC 4	287 000	1949
1950	24.0 AT 08:00 MST ON JUN 15	19.9 ON JUN 15	0.694A ON APR 4	148 000	1950
1951	---	55.8 ON JUL 29	3.96 B ON DEC 31	513 000	1951
1952	17.0 AT 23:30 MST ON JUN 28	14.3 ON JUN 27	2.58 B ON FEB 3	173 000	1952
1953	35.4 AT 23:30 MST ON JUN 12	21.0 ON JUN 13	0.906A ON NOV 29	188 000	1953
1954	24.1 AT 17:00 MST ON AUG 25	19.5 ON AUG 27	0.538B ON FEB 28	132 000	1954
1955	19.8 AT 21:00 MST ON JUN 12	18.0 ON JUN 12	0.736B ON JAN 18	100 000	1955
1956	18.5 AT 04:00 MST ON JUN 5	14.8 ON JUN 5	0.368B ON MAR 11	90 300	1956
1957	8.21 AT 14:00 MST ON JUL 8	8.75 ON JUL 8	0.396B ON MAR 4	94 500	1957
1958	17.8 AT 02:00 MST ON MAY 22	7.96 ON JUN 28	0.283B ON FEB 24 *	87 800	1958
1959	10.7 AT 04:00 MST ON JUN 14	10.3 ON JUN 14	0.595B ON JAN 17	93 400	1959
1960	11.0 ON AUG 2	10.1 ON AUG 2	0.850B ON DEC 13	95 800	1960
1961	24.4 AT 22:00 MST ON MAY 27	21.4 ON MAY 28	0.821B ON MAR 19	105 000	1961
1962	7.78 AT 03:00 MST ON JUN 18	7.45 ON JUN 18	0.634B ON NOV 29	81 000	1962
1963	9.88 AT 10:00 MST ON JUL 25	7.96 ON JUN 18	0.708B ON DEC 11	93 800	1963
1964	24.4 AT 14:15 MST ON JUN 8	20.0 ON JUN 8	0.467B ON FEB 27	108 000	1964
1965	---	19.4 ON JUN 18	1.06 B ON MAR 31	107 000	1965
1966	---	17.0 ON JUN 1	1.02 B ON FEB 22	110 000	1966
1967	---	15.8 ON JUN 3	0.906B ON DEC 31	103 000	1967
1968	8.82 AT 22:26 MST ON JUN 5	7.55 ON JUN 26	0.428B ON JAN 30	77 100	1968
1969	---	13.2 ON JUL 5	0.878B ON JAN 31	102 000	1969
1970	16.6 AT 05:55 MST ON JUN 15	14.9 ON JUN 15	0.821B ON JAN 15	81 400	1970
1971	14.8 AT 08:00 MST ON JUN 5	14.2 ON JUN 6	0.538B ON DEC 1	90 800	1971
1972	181 B AT 14:00 MST ON DEC 19 *	43.9 B ON DEC 19	0.838 ON APR 23	197 000	1972
1973	14.2 AT 04:00 MST ON JUN 24	13.8 ON JUN 24	1.93 B ON JAN 1	133 000	1973
1974	63.7 AT 22:10 MST ON JUL 29	30.0 ON JUL 29	0.880B ON DEC 28	220 000	1974
1975	9.12 AT 02:00 MST ON JUL 14	7.82 ON JUL 14	0.481B ON FEB 24	81 300	1975
1976	9.88 AT 02:00 MST ON JUL 1	8.17 ON JUL 1	0.541B ON APR 2	98 700	1976
1977	9.03 AT 22:30 MST ON JUN 8	8.50 ON JUN 8	0.680B ON MAR 15	75 400	1977
1978	12.4 AT 21:30 MST ON JUN 5	11.2 ON JUN 9	1.02 ON MAR 25	87 900	1978
1979	9.84 AT 01:00 MST ON MAY 27	8.09 ON MAY 27	0.575B ON NOV 29	75 300	1979
1980	12.3 AT 21:55 MST ON JUN 10	11.4 ON MAY 28	0.679B ON JAN 1	89 800	1980
1981	16.8 AT 22:10 MST ON MAY 25	15.7 ON MAY 26	0.960B ON FEB 9	108 000	1981
1982	11.8 AT 01:00 MST ON JUN 18	11.0 ON JUN 18	1.15 B ON JAN 7	97 800	1982
1983	7.72 AT 23:55 MST ON MAY 28	7.03 ON MAY 30	1.17 B ON JAN 3	84 500	1983
1984	9.84 AT 20:35 MST ON JUN 29	9.01 ON JUN 29	0.900B ON JAN 21	77 700	1984
				288 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRAY RIVER AT CANYON NEAR SPRAY LAKES - STATION NO. 05BC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1932	---	---	---	---	---	---	---	---	---	---	---	3.08	---	1932
1933	2.76	2.43	2.21	2.30	10.8	---	---	---	---	---	---	---	---	1933
1948	---	---	---	---	---	44.4	21.8	17.7	8.88	8.00	---	---	---	1948
1949	---	---	---	---	18.2	31.0	14.8	11.4	8.22	---	---	---	---	1949
MEAN	2.76	2.43	2.21	2.30	13.4	32.7	18.1	14.8	8.08	8.00	---	3.08	---	MEAN

LOCATION - LAT 50 53 00 N
LONG 115 22 00 W
DRAINAGE AREA, 487 km^2
NATURAL FLOW

SPRAY RIVER AT CANYON NEAR SPRAY LAKES - STATION NO. 05BC005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1932	---	---	---	---	1932
1933	---	32.0E ON MAY 31	1.55 ON APR 18 *	---	1933
1948	---	85.2 ON MAY 24 *	---	---	1948
1949	---	34.3 ON JUN 7	---	---	1949
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN
		E - ESTIMATED			

SPRAY RIVER NEAR SPRAY LAKES - STATION NO. 05BC002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	32.8	13.2	7.18	---	---	---	---	1915
1916	---	---	---	---	---	---	---	18.8	13.7	8.87	---	---	---	1916
1917	---	---	---	---	---	---	---	12.7	---	---	---	---	---	1917
1918	---	---	---	---	10.4	37.5	19.7	11.7	7.80	---	---	---	---	1918
1919	---	---	---	---	18.8	29.2	17.7	12.7	7.93	---	---	---	---	1919
1920	3.77	2.92	2.53	3.14	7.80	33.2	57.7	20.7	12.5	---	---	---	---	1920
1921	---	---	---	---	12.7	29.8	22.7	11.6	8.94	6.75	---	---	---	1921
1922	---	---	---	1.24	10.3	31.2	18.1	11.7	7.19	4.23	---	---	---	1922
1924	---	---	---	---	---	24.0	20.0	12.7	8.91	6.38	2.89	2.23	---	1924
1925	1.63	1.52	1.28	2.67	21.2	33.7	19.6	12.7	8.24	5.74	3.27	2.35	8.81	1925
1926	1.81	1.65	1.39	4.23	8.52	14.1	13.0	7.77	10.5	7.73	4.55	2.84	6.89	1926
1927	2.02	1.69	1.25	1.61	5.34	41.4	30.4	13.8	11.8	7.58	5.01	2.83	10.4	1927
1928	1.87	1.69	1.72	2.07	22.6	35.8	27.0	11.9	8.30	6.08	2.80	2.10	10.0	1928
1929	1.65	1.11	1.62	1.30	8.18	32.1	16.9	9.18	6.83	3.71	2.11	1.73	7.02	1929
1930	1.48	1.22	1.25	2.68	13.9	35.2	26.2	11.2	8.54	6.07	2.08	1.88	9.00	1930
1931	1.43	1.43	1.63	---	---	---	15.6	9.04	6.87	3.71	2.68	2.34	---	1931
1932	1.80	---	---	---	---	37.2	19.8	12.0	7.89	3.89	2.56	1.78	---	1932
1933	1.54	1.30	1.09	1.19	8.48	44.2	35.6	15.3	7.19	4.78	3.57	2.23	10.8	1933
1934	1.78	1.61	1.28	5.96	27.2	27.4	17.0	9.44	6.79	4.09	2.96	1.80	8.91	1934
1935	1.49	1.27	1.18	1.06	6.32	33.0	29.6	14.9	8.43	3.69	2.56	1.88	8.85	1935
1936	1.21	1.22	1.88	3.07	18.4	24.1	13.3	7.88	4.26	3.06	2.17	1.87	5.83	1936
1937	1.32	1.24	1.32	1.27	8.18	22.8	19.9	10.3	6.02	5.18	4.35	2.80	7.05	1937
1938	2.38	1.89	2.05	2.02	12.3	36.4	19.5	8.27	6.34	4.44	2.82	2.01	8.37	1938
1939	1.81	1.62	1.65	1.72	18.2	30.5	19.8	9.48	6.88	4.65	---	---	---	1939
MEAN	1.74	1.55	1.63	2.34	13.1	31.1	23.3	11.9	7.85	4.78	3.07	2.13	8.87	MEAN

LOCATION - LAT 50 53 00 N DRAINAGE AREA, 380 km^2
LONG 115 22 00 W NATURAL FLOW

SPRAY RIVER NEAR SPRAY LAKES - STATION NO. 05BC002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	43.8E ON JUL 6	---	---	1915
1916	---	---	---	---	1916
1917	---	---	---	---	1917
1918	---	80.1 ON JUN 14	---	---	1918
1919	---	59.5 ON MAY 27	---	---	1919
1920	---	85.1 ON JUL 3	---	---	1920
1921	---	42.2 ON JUN 8	---	---	1921
1922	---	44.5 ON JUN 5	---	---	1922
1924	---	38.8E ON JUL 6	---	---	1924
1925	---	44.5E ON JUN 24	1.05 B ON DEC 21	303 000	1925
1926	---	27.3 ON SEP 1	0.818B ON MAR 25	207 000	1926
1927	---	87.7 ON JUN 10	1.02 B ON MAR 30	328 000	1927
1928	---	52.1 ON MAY 23	1.35 B ON FEB 29	316 000	1928
1929	---	54.1 ON JUN 2	0.782B ON APR 8	322 000	1929
1930	---	50.1 ON JUN 5	0.849B ON MAR 20	284 000	1930
1931	---	---	---	---	1931
1932	---	101 ON JUN 3 *	---	---	1932
1933	---	85.7 ON JUN 17	0.770 ON APR 8	334 000	1933
1934	---	67.7 ON MAY 30	1.22 E ON MAR 29	281 000	1934
1935	---	41.9E ON JUN 29	0.850E ON APR 8	273 000	1935
1936	---	52.4 ON JUN 1	0.708B ON FEB 12 *	311 000	1936
1937	---	35.7 ON JUL 1	1.13 E ON APR 1	322 000	1937
1938	---	48.1 ON JUN 22	1.61 E ON FEB 11	264 000	1938
1939	---	50.1 ON MAY 28	---	---	1939
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		270 000	MEAN
	E - ESTIMATED				

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07EF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	---	---	---	0.082	0.001	0	0	0	0	0.004	---	1987
1988	0.001	0.001	0.005	---	---	---	---	0.010	---	---	---	0.005	---	1988
1989	---	---	0.003	0.544	0.153	0.018	0.003	0.002	0.012	0.015	---	0.005	0.092	1989
1970	0.004	0.001	0.003	0.359	0.217	0.021	0.003	0	0	0	---	---	0.075	1970
1971	---	---	0	0.188	0.081	0.517	0.450	0.005	0.001	0.008	---	---	0.152	1971
1972	---	---	0.010	0.620	0.282	0.394	0.097	0.006	0.004	0.018	---	---	0.177	1972
1973	---	---	0.001	0.454	0.268	0.311	0.047	0.015	0.017	0.044	---	---	0.143	1973
1974	---	---	0	1.23	0.883	0.036	0.010	0	0.002	0.003	---	---	0.240	1974
1975	---	---	---	0.141	0.183	0.058	0.048	0.007	0.012	0.015	---	---	---	1975
1976	---	---	---	0.800	0.115	0.025	0.223	1.25	0.154	0.048	---	---	---	1976
1977	---	---	---	---	0.782	0.231	0.412	0.068	0.037	0.076	---	---	---	1977
1978	---	---	---	0.418	0.231	0.418	0.033	0.006	0.059	0.045	---	---	---	1978
1979	---	---	---	---	0.912	0.886	0.072	0.004	0.034	0.002	---	---	---	1979
1980	---	---	---	0.130	0.050	0.217	0.083	0.015	0.028	0.018	---	---	---	1980
1981	---	---	---	0.383	0.106	0.036	0.007	0.001	0.001	0	---	---	---	1981
1982	---	---	---	---	0.210	0.006	0.083	0.297	0.015	0.014	---	---	---	1982
1983	---	---	---	0.021	0.033	0.280	1.19	0.086	0.015	0.014	---	---	---	1983
1984	---	---	---	0.104	0.864	0.157	0.024	0.001	0.059	0.048	---	---	---	1984
MEAN	0.003	0.001	0.003	0.398	0.327	0.256	0.181	0.097	0.028	0.022	0	0.005	0.147	MEAN

LOCATION - LAT 54 55 45 N, LONG 117 42 20 W
DRAINAGE AREA, 33.4 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

SPRING CREEK (UPPER) NEAR VALLEYVIEW - STATION NO. 07EF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1987	---	---	0 ON JUL 8 *	---	1987
1988	---	---	0 ON AUG 16	---	1988
1989	1.80 AT 16:00 MST ON APR 14	1.59 ON APR 14	0 ON SEP 11	1 950	1989
1970	1.08 AT 20:00 MST ON APR 21	0.944 ON APR 21	0 ON AUG 8	1 580	1970
1971	3.57 ON JUL 12	3.26 ON JUN 12	0A ON MAR 4	3 230	1971
1972	5.84 AT 04:00 MST ON JUN 26	4.53 ON JUN 26	0 ON SEP 9	3 740	1972
1973	1.60 AT 03:00 MST ON APR 24	1.57 ON APR 24	0B ON MAR 1	3 040	1973
1974	4.98 AT 22:00 MST ON APR 24	4.50 ON APR 24	0B ON MAR 1	5 090	1974
1975	---	0.882 ON APR 28	0B ON MAR 4	---	1975
1976	---	7.82 E ON AUG 18 *	---	---	1976
1977	---	7.19 ON APR 9	---	---	1977
1978	---	1.95 ON JUN 15	---	---	1978
1979	9.41 AT 10:25 MST ON JUN 14	5.30 ON JUN 14	0B ON APR 8	---	1979
1980	1.28 AT 15:18 MST ON JUN 8	1.06 ON JUN 8	0B ON APR 2	---	1980
1981	1.13 AT 18:57 MST ON APR 22	1.07 ON APR 22	0B ON MAR 2	---	1981
1982	3.14 AT 07:13 MST ON AUG 4	2.78 ON AUG 4	0 ON JUN 28	---	1982
1983	12.0 AT 18:40 MST ON JUL 26 *	7.13 ON JUL 26	---	---	1983
1984	5.29 AT 21:07 MST ON MAY 15	4.81 ON MAY 17	0B ON MAR 5	---	1984
				3 110	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07EF002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	0.032	0.130	0.140	0.124	---	---	---	1986
1987	---	---	---	---	1.97	0.459	0.018	0.002	0	0	---	---	---	1987
1988	---	---	0.029	0.249	0.878	0.848	0.038	0.083	0.017	0.039	---	---	0.258	1988
1989	---	---	0	1.62	0.414	0.029	0.056	0.002	0.036	0.034	---	---	0.269	1989
1970	---	---	0.038	1.12	0.615	0.057	0.003	0	0	0	---	---	0.237	1970
1971	---	---	0.001	0.434	0.141	1.78	1.25	0.005	0.008	0.015	---	---	0.451	1971
1972	---	---	0.108	1.81	0.753	0.761	0.184	0.013	0.007	0.028	---	---	0.449	1972
1973	---	---	0.018	1.40	0.848	0.853	0.081	0.018	0.042	0.084	---	---	0.389	1973
1974	---	---	0.007	4.47	1.91	0.084	0.004	0.001	0.002	0.007	---	---	0.789	1974
1975	---	---	---	---	0.379	0.148	0.103	0.008	0.018	0.034	---	---	---	1975
1976	---	---	---	2.05	0.348	2.45	0.277	2.87	0.296	0.137	---	---	---	1976
1977	---	---	0	3.08	2.26	0.507	1.18	0.143	0.081	0.355	---	---	0.947	1977
1978	---	---	---	---	1.22	1.32	0.060	0.022	0.234	0.123	---	---	---	1978
1979	---	---	---	---	2.69	2.85	0.314	0.007	0.020	0.808	---	---	---	1979
1980	---	---	---	0.586	0.145	0.618	0.121	0.029	0.127	0.046	---	---	---	1980
1981	---	---	---	1.19	0.385	0.086	0.014	0.001	0	0	---	---	---	1981
1982	---	---	---	0.114	0.771	0.040	0.259	0.834	0.040	0.023	---	---	---	1982
1983	---	---	---	0.110	0.150	---	---	0.159	0.022	0.029	---	---	---	1983
1984	---	---	---	0.342	2.91	0.538	0.054	0.011	0.148	---	---	---	---	1984
MEAN	---	---	0.025	1.32	1.03	0.775	0.223	0.217	0.085	0.081	---	---	0.475	MEAN

LOCATION - LAT 54 55 05 N, LONG 117 50 55 W
DRAINAGE AREA, 112 km²
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

SPRING CREEK NEAR VALLEYVIEW - STATION NO. 07GF002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1967	7.93 AT 12:00 MST ON APR 30	7.05 ON MAY 1	0 ON JUL 15 *	---	1967
1968	10.1 AT 15:00 MST ON JUN 12	4.95 ON JUN 14	0B ON MAR 19	5 530	1968
1969	7.14 AT 07:00 MST ON JUL 15	3.85 ON APR 15	0B ON MAR 1	5 700	1969
1970	---	3.11B ON APR 21	0 ON JUL 15	4 810	1970
1971	11.3 AT 15:00 MST ON JUL 12	9.20 ON JUL 12	0B ON MAR 1	8 550	1971
1972	---	8.03A ON JUN 28	0B ON MAR 1	8 500	1972
1973	4.87 AT 12:00 MST ON JUN 11	4.87 ON APR 24	0 ON AUG 14	5 240	1973
1974	17.8 AT 20:00 MST ON APR 23	15.0 ON APR 24	0 ON OCT 28	15 800	1974
1975	---	3.61B ON APR 28	0 ON AUG 1	---	1975
1976	---	20.6 ON AUG 15 *	---	---	1976
1977	---	20.4 E ON APR 10	0B ON MAR 2	20 000	1977
1978	---	6.64A ON APR 30	---	---	1978
1979	28.2 AT 14:30 MST ON JUN 14 *	17.6 ON JUN 14	0E ON AUG 17	---	1979
1980	3.42 AT 17:00 MST ON JUN 6	3.18 ON JUN 6	0B ON MAR 24	---	1980
1981	4.84 AT 10:30 MST ON APR 21	2.70B ON APR 21	0 ON JUL 7	---	1981
1982	8.92 AT 15:30 MST ON AUG 3	8.96 ON AUG 3	0 ON JUN 28	---	1982
1983	---	---	---	---	1983
1984	23.7 AT 02:47 MST ON MAY 17	17.6 ON MAY 17	0 ON JUL 14	---	1984
				10 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SPRING CREEK NEAR VERGER - STATION NO. 05CJ010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	0.484	0.485	0.345	0.278	---	---	---	1986
MEAN	---	---	---	---	---	---	0.484	0.485	0.345	0.278	---	---	---	MEAN

LOCATION - LAT 50 57 17 N
LONG 111 57 30 W
DRAINAGE AREA, 85.2 km^2
REGULATED

SPRING CREEK NEAR WATERTON PARK - STATION NO. 05AD014

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1926	---	---	---	---	---	0.026	0.026	0.026	0.026	0.026	0.026	0.026	---	1926
1927	0.027	0.024	0.022	0.026	0.042	0.047	0.048	0.040	0.040	---	---	---	---	1927
1928	---	---	---	---	---	---	---	---	---	0.040	0.044	---	---	1928
MEAN	0.027	0.024	0.022	0.026	0.042	0.037	0.037	0.034	0.034	0.034	0.035	0.026	---	MEAN

LOCATION - LAT 49 07 11 N
LONG 113 50 30 W
NATURAL FLOW

SPRING CREEK NEAR WATERTON PARK - STATION NO. 05AD014

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1926	---	---	---	---	1926
1927	---	0.105 ON MAY 28 *	---	---	1927
1928	---	---	---	---	1928
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

ST. MARY CANAL AT HUDSON BAY DIVIDE - STATION NO. 05AE030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1917	---	---	---	0	0	0	5.79	7.18	2.85	0	0	---	1.97	1917
1918	---	---	---	0	0	7.33	11.1	5.83	1.03	0	0	---	3.30	1918
1919	---	---	---	1.77	10.7	10.8	10.7	10.8	4.45	1.12	0	---	5.34	1919
1920	---	---	---	0	1.38	10.3	12.2	9.81	0	0	0	---	4.21	1920
1921	---	---	---	0	2.82	10.2	5.19	3.37	0	0	0	---	3.21	1921
1922	---	---	---	0	1.00	5.25	5.47	5.34	5.57	0.097	0	---	3.67	1922
1923	---	---	---	0	5.77	11.6	5.63	5.26	1.97	0	0	---	4.85	1923
1924	---	---	---	0	5.97	9.13	11.2	13.2	2.88	0	0	---	5.47	1924
1925	---	---	---	0	5.75	14.2	14.5	13.5	10.0	4.22	0	---	8.31	1925
1926	---	---	---	2.05	11.9	12.7	12.7	2.88	2.81	0	0	---	5.85	1926
1927	---	---	---	0	0.722	0.898	10.8	11.8	0.185	0	0	---	3.11	1927
1928	---	---	---	0	0	11.8	5.63	10.5	1.25	0	0	---	4.08	1928
1929	---	---	---	0.348	1.77	9.63	12.8	12.8	7.57	2.80	0.121	---	5.94	1929
1930	---	---	---	0	0	7.85	14.2	13.0	4.75	0	0	---	5.03	1930
1931	---	---	---	1.25	9.89	15.1	15.4	14.6	2.81	1.37	0.534	---	7.70	1931
1932	---	---	---	5.48	14.4	13.1	15.6	15.2	5.21	0.358	---	---	---	1932
1933	---	---	---	0.006	11.4	14.1	17.1	17.0	7.26	1.88	0	---	6.82	1933
1934	---	---	---	2.57	15.2	17.1	15.5	17.5	0.847	0.055	0	---	6.84	1934
1935	---	---	---	0	11.3	15.5	20.0	15.2	5.15	0	0	---	5.05	1935
1936	---	---	---	0	12.6	15.4	20.5	14.0	1.67	0.770	0	---	5.77	1936
1937	---	---	---	0	14.5	7.55	15.0	15.5	4.67	0.019	0	---	5.32	1937
1938	---	---	---	2.10	11.5	17.5	15.0	15.2	4.33	1.84	2.11	---	5.71	1938
1939	---	---	---	3.65	15.4	15.3	15.5	13.3	0.401	0	0	---	5.13	1939
1940	---	---	---	0	11.2	15.5	15.7	5.85	0.001	0	5.22	---	7.75	1940
1941	---	---	---	2.25	14.4	15.5	15.2	7.20	2.15	0	0	---	7.53	1941
1942	---	---	---	5.67	15.4	5.22	15.5	15.3	13.3	0.352	0	---	5.55	1942
1943	---	---	---	0	0	5.67	14.1	15.2	14.5	1.72	0	---	5.55	1943
1944	---	---	---	2.25	13.5	12.5	11.5	5.23	1.47	0	0	---	5.43	1944
1945	---	---	---	1.03	15.0	15.3	15.1	15.7	14.3	2.02	0	---	10.2	1945
1946	---	---	---	10.5	15.7	17.1	15.3	15.4	14.5	0.080	0	---	11.2	1946
1947	---	---	---	0.102	5.43	13.3	15.4	15.0	12.0	0.411	0	---	5.10	1947
1948	---	---	---	0.024	3.24	5.55	13.5	15.1	13.5	0.151	0	---	5.55	1948
1949	---	---	---	0.483	14.3	15.5	15.4	14.9	5.21	0	0	---	5.51	1949
1950	---	---	---	0	2.75	5.51	14.7	14.1	14.7	14.1	0.852	---	5.50	1950
1951	---	---	---	0	0	4.54	13.3	15.1	4.75	0	0	---	4.55	1951
1952	---	---	---	0	0	0	12.5	15.5	15.4	3.57	0	---	5.07	1952
1953	---	---	---	2.09	14.5	4.13	4.55	13.4	13.5	0.928	0	---	5.77	1953
1954	---	---	---	0.100	3.44	10.5	15.4	15.3	2.15	0.001	0	---	5.04	1954
1955	---	---	---	0	2.43	5.04	14.5	15.7	5.75	0	0	---	5.40	1955
1956	---	---	---	2.55	14.5	15.5	15.4	15.0	15.3	7.44	0	---	11.2	1956
1957	---	---	---	3.38	15.5	15.5	15.5	15.5	5.38	0.044	0	---	5.70	1957
1958	---	---	---	1.11	15.1	17.5	17.5	17.1	5.80	0	0	---	5.50	1958
1959	---	---	---	5.40	17.5	17.7	15.3	17.5	15.0	4.55	0	---	12.5	1959
1960	---	---	---	0.557	14.2	17.5	17.5	17.7	11.4	0	0	---	10.0	1960
1961	---	---	---	11.5	12.0	15.5	15.0	17.5	12.2	1.59	0	---	11.5	1961
1962	---	---	---	12.1	15.2	15.5	15.4	17.2	0.938	0	0	---	10.7	1962
1963	---	---	---	15.5	17.2	15.5	15.5	15.0	12.0	0	0	---	12.5	1963
1964	---	---	---	5.55	15.5	5.52	5.74	15.2	15.5	0	0	---	5.55	1964
1965	---	---	---	0	0.554	15.4	12.5	15.4	10.7	0.001	0	---	7.51	1965
1966	---	---	---	0.030	15.5	15.5	15.2	15.1	14.5	0.005	0	---	10.5	1966
MEAN	---	---	---	2.24	5.35	12.4	14.7	14.1	7.31	1.03	0.176	---	7.55	MEAN

LOCATION - LAT 48 59 00 N
LONG 113 04 00 W REGULATED

INTERNATIONAL GAUGING STATION

ST. MARY CANAL AT HUDSON BAY DIVIDE - STATION NO. 05AE030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1917	---	7.19 ON JUL 23	0 ON APR 1 *	41 800	1917
1918	---	11.8 ON JUL 12	0 ON APR 1	89 800	1918
1919	---	11.8 ON MAY 15	0E ON APR 1	134 000	1919
1920	---	13.3 ON AUG 9	0 ON APR 1	88 800	1920
1921	---	13.0 ON JUN 20	0 ON APR 1	67 700	1921
1922	---	13.8 ON AUG 17	0 ON APR 1	81 800	1922
1923	---	14.4 ON JUL 16	0 ON APR 1	102 000	1923
1924	---	15.3 ON AUG 23	0 ON APR 1	115 000	1924
1925	---	15.2 ON JUL 25	0 ON APR 1	175 000	1925
1926	---	14.1 ON JUN 28	0E ON APR 1	119 000	1926
1927	---	13.3 ON AUG 14	0 ON APR 1	85 700	1927
1928	---	16.3 ON JUN 16	0 ON APR 1	86 300	1928
1929	---	13.5 ON JUL 7	0E ON APR 1	125 000	1929
1930	---	14.8 ON JUN 30	0 ON APR 1	105 000	1930
1931	---	16.1 ON JUN 30	0E ON APR 1	162 000	1931
1932	---	17.0 ON JUL 29	0E ON APR 1	---	1932
1933	---	15.2 ON AUG 5	0E ON APR 1	182 000	1933
1934	---	19.9 ON MAY 30	0E ON APR 1	201 000	1934
1935	---	20.3 ON JUL 21	0E ON APR 1	191 000	1935
1936	---	21.3 ON JUN 20	0 ON APR 1	185 000	1936
1937	---	21.5 ON JUN 13	0 ON APR 1	175 000	1937
1938	---	19.8 A ON JUN 19	0E ON APR 1	205 000	1938
1939	---	20.0 ON JUL 28	0 ON APR 1	183 000	1939
1940	---	19.8 ON JUL 27	0 ON APR 1	184 000	1940
1941	---	19.5 ON JUN 4	0 ON APR 1	159 000	1941
1942	---	20.1 ON JUL 28	0E ON APR 1	210 000	1942
1943	---	15.8 ON JUL 23	0 ON APR 1	146 000	1943
1944	---	16.7 ON JUL 22	0 ON APR 1	138 000	1944
1945	---	17.2 ON JUN 4	0 ON APR 1	215 000	1945
1946	---	17.4 ON JUN 24	0 ON APR 1	236 000	1946
1947	---	16.8 ON JUL 11	0 ON OCT 16	171 000	1947
1948	---	17.1 ON JUN 16	0 ON APR 1	144 000	1948
1949	---	16.7 ON MAY 17	0 ON APR 1	186 000	1949
1950	---	15.3 ON MAY 16	0 ON APR 1	188 000	1950
1951	---	17.1 ON AUG 30	0 ON APR 1	103 000	1951
1952	---	15.1 ON AUG 30	0 ON APR 1	128 000	1952
1953	---	16.6 ON JUN 3	0E ON APR 1	143 000	1953
1954	---	17.1 ON AUG 31	0E ON APR 1	127 000	1954
1955	---	15.3 ON JUL 18	0 ON APR 1	135 000	1955
1956	---	17.7 ON MAY 21	0A ON OCT 26	236 000	1956
1957	---	17.6 ON MAY 22	0 ON OCT 7	205 000	1957
1958	---	16.2 ON MAY 13	0 ON APR 22	207 000	1958
1959	---	16.5 ON MAY 15	0E ON OCT 16	287 000	1959
1960	---	18.9 ON JUN 19	0 ON APR 11	212 000	1960
1961	---	19.6 ON MAY 27	0 ON NOV 1	243 000	1961
1962	---	19.9 ON JUN 14	0 ON SEP 17	226 000	1962
1963	---	20.4 ON JUN 10	0 ON APR 1	270 000	1963
1964	---	23.1 ON JUN 8 *	0 ON OCT 4	208 000	1964
1965	---	19.9 ON JUN 17	0E ON APR 1	180 000	1965
1966	---	21.9 ON JUN 4	0 ON APR 24	223 000	1966
				162 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	---	---	---	---	7.17	---	0	0	---	---	1918
1919	---	---	---	2.07	11.0	11.0	11.0	11.0	4.38	1.16	0	---	7.39	1919
1920	---	---	---	0	1.57	10.2	12.1	8.30	0	0	0	---	4.75	1920
1921	---	---	---	0	3.17	9.72	9.38	3.40	0	0	0	---	3.67	1921
1922	---	---	---	0	1.15	8.74	9.58	8.48	5.88	0.014	0	---	4.53	1922
1923	---	---	---	0	5.98	11.4	10.0	8.26	1.71	0	0	---	5.51	1923
1924	---	---	---	0	7.21	8.74	11.2	12.9	2.38	0	0	---	8.10	1924
1925	---	---	---	0.244	10.1	14.0	14.1	12.9	10.2	3.96	0	---	9.36	1925
1926	---	---	---	3.20	12.3	12.9	12.6	2.98	2.68	0	0	---	6.88	1926
1927	---	---	---	0	---	---	11.4	11.6	0.005	0	0	---	---	1927
1928	---	---	---	0	0	12.3	8.94	11.3	1.17	0	0	---	4.82	1928
1929	---	---	---	0.375	1.68	9.80	12.9	12.6	7.51	2.59	0.150	---	6.80	1929
1930	---	---	---	0	0	8.88	14.8	13.5	4.81	0	0	---	5.97	1930
1931	---	---	---	1.68	10.3	15.5	15.8	15.1	2.55	1.53	0.491	---	6.93	1931
1932	---	---	---	5.71	14.4	13.1	15.8	16.7	4.81	0.688	0	---	10.5	1932
1933	---	---	---	0.089	11.9	14.4	17.8	17.3	6.95	1.92	0	---	10.0	1933
1934	---	---	---	3.08	18.3	17.0	19.8	17.6	0.743	0	0	---	11.0	1934
1935	---	---	---	0	11.9	17.0	20.5	18.8	7.92	0	0	---	10.8	1935
1936	---	---	---	0	13.3	20.2	21.3	13.9	2.01	0.957	0	---	10.3	1936
1937	---	---	---	0.087	15.0	7.57	19.0	19.8	4.14	0.021	0	---	9.45	1937
1938	---	---	---	2.37	11.1	17.6	19.2	19.8	3.86	2.00	2.14	---	10.9	1938
1939	---	---	---	4.15	16.3	19.2	19.6	13.2	0.361	1.20	4.74	---	10.6	1939
1940	---	---	---	0	11.9	16.9	18.6	8.55	0	0.029	5.23	---	8.18	1940
1941	---	---	---	2.63	14.5	15.4	18.0	8.97	2.14	0	0	---	8.55	1941
1942	---	---	---	7.15	17.9	5.02	18.4	18.1	13.1	0.188	0	---	11.2	1942
1943	---	---	---	0	0	9.89	14.1	15.2	14.8	1.48	0	---	7.89	1943
1944	---	---	---	2.71	13.8	12.5	12.1	9.09	1.40	0	0	---	7.40	1944
1945	---	---	---	1.70	16.2	16.4	16.3	15.0	14.3	1.88	0	---	11.8	1945
1946	---	---	---	10.8	15.7	17.3	16.5	15.6	14.7	0	0	---	12.9	1946
1947	---	---	---	0	5.71	13.3	16.5	16.2	12.9	0.220	0	---	8.27	1947
1948	---	---	---	0	3.30	7.95	13.9	15.1	13.5	0.004	0	---	7.68	1948
1949	---	---	---	0.661	14.8	16.0	15.6	15.2	9.09	0	0	---	10.2	1949
1950	---	---	---	0	2.82	10.4	14.8	14.2	15.0	14.2	0.358	---	10.2	1950
1951	---	---	---	0	0	4.60	13.5	16.5	4.47	0	0	---	5.61	1951
1952	---	---	---	0	0	0	13.7	16.3	16.2	3.75	0	---	7.16	1952
1953	---	---	---	2.23	15.0	3.06	5.29	14.0	14.0	0.829	0	---	7.77	1953
1954	---	---	---	0	3.70	11.1	16.1	16.9	1.95	0	0	---	7.14	1954
1955	---	---	---	0	2.44	8.71	15.0	16.9	8.54	0	---	---	7.40	1955
1956	---	---	---	3.29	14.8	18.9	16.9	16.4	15.6	7.04	---	---	13.0	1956
1957	---	---	---	3.84	17.2	17.2	16.6	16.1	9.46	0.003	---	---	11.5	1957
1958	---	---	---	1.27	16.8	18.1	18.1	17.7	8.44	0	---	---	11.5	1958
1959	---	---	---	9.98	17.8	18.0	16.7	16.1	16.5	4.31	---	---	14.8	1959
1960	---	---	---	1.12	14.6	18.2	18.1	18.0	11.2	0	---	---	11.6	1960
1961	---	---	---	12.5	12.7	19.4	18.8	16.5	12.4	1.61	---	---	13.7	1961
1962	---	---	---	13.4	16.9	18.0	19.0	17.5	0.731	0	---	---	12.7	1962
1963	---	---	---	16.4	17.8	20.0	19.3	19.5	11.8	0	---	---	15.0	1963
1964	---	---	---	8.94	16.3	10.1	10.3	19.6	15.5	0	---	---	11.5	1964
1965	---	---	---	0	1.10	18.8	13.1	18.8	10.3	0	---	---	8.87	1965
1966	---	---	0	0	16.8	19.0	16.8	19.4	14.4	0	---	---	12.4	1966
1967	---	---	---	0	0	5.00	19.1	19.3	16.7	0.019	---	---	8.82	1967
1968	---	---	---	11.7	17.9	18.8	19.5	19.6	12.7	0	---	---	14.4	1968
1969	---	---	---	0	10.5	18.7	19.7	19.8	8.71	0	---	---	11.2	1969
1970	---	---	---	8.01	7.15	15.7	19.5	18.7	9.20	0	---	---	11.1	1970
1971	---	---	---	0	8.28	7.10	20.0	18.8	19.8	3.88	---	---	11.0	1971
1972	---	---	---	0.288	15.5	13.8	19.6	18.8	19.7	5.48	---	---	13.5	1972
1973	---	---	0.102	1.84	13.8	19.8	19.7	15.9	0.107	0	---	---	10.2	1973
1974	---	---	0.246	13.0	15.5	16.4	19.5	18.3	13.5	0	---	---	13.7	1974
1975	---	---	---	0	0	3.26	8.89	16.9	15.2	0	---	---	6.82	1975
1976	---	---	---	1.88	16.4	19.9	19.6	19.6	17.9	1.48	---	---	13.8	1976
1977	---	---	---	0.574	15.6	18.6	5.37	8.21	2.28	0	---	---	6.80	1977
1978	---	---	---	0	1.53	11.8	14.4	15.7	3.78	0	---	---	6.78	1978
1979	---	---	---	0	2.41	17.8	18.3	17.5	4.19	0	---	---	8.61	1979
1980	---	---	3.19	11.8	14.6	18.8	19.3	18.7	6.85	0	---	---	12.8	1980
1981	---	---	11.6	8.93	15.7	18.8	19.0	17.7	15.6	0	---	---	13.6	1981
1982	---	---	0	0	14.6	15.0	16.6	0	0	0	---	---	8.83	1982
1983	---	---	7.55	11.2	8.54	18.1	19.8	18.2	0.043	0	---	---	10.8	1983
1984	---	0	9.17	6.03	10.0	19.0	19.3	12.9	0	0	---	---	9.82	1984
MEAN	---	0	3.88	2.98	10.2	13.8	15.9	15.0	7.94	0.928	0.354	---	9.81	MEAN

LOCATION - LAT 48 58 50 N
LONG 113 22 28 W REGULATED

INTERNATIONAL GAUGING STATION

ST. MARY CANAL AT ST. MARY CROSSING - STATION NO. 05AE039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	---	---	---	1918
1919	---	11.6 ON MAY 15	0 ON APR 1 *	137 000	1919
1920	---	13.6 ON AUG 8	0 ON APR 1	87 500	1920
1921	---	12.1 ON JUN 18	0 ON APR 1	87 500	1921
1922	---	13.6 ON AUG 18	0 ON APR 1	83 700	1922
1923	---	15.5 ON JUL 16	0 ON APR 1	102 000	1923
1924	---	15.6 ON AUG 22	0 ON APR 1	113 000	1924
1925	---	14.8 ON AUG 20	0 ON APR 1	173 000	1925
1926	---	14.5A ON MAY 25	0 ON APR 1	124 000	1926
1927	---	13.5 ON JUL 17	0 ON APR 1	---	1927
1928	---	15.6 ON JUN 17	0 ON APR 1	89 100	1928
1929	---	13.7 ON JUL 10	0 ON APR 1	126 000	1929
1930	---	15.1 ON JUN 29	0 ON APR 1	111 000	1930
1931	---	16.2 ON JUN 30	0 ON APR 1	185 000	1931
1932	---	17.3 ON AUG 12	0 ON APR 1	194 000	1932
1933	---	18.0 ON JUL 17	0 ON APR 1	188 000	1933
1934	---	20.0 ON JUL 9	0 ON APR 1	203 000	1934
1935	---	20.8 ON JUL 21	0 ON APR 1	186 000	1935
1936	---	21.7 ON JUN 19 *	0 ON APR 1	180 000	1936
1937	---	20.4 ON AUG 2	0 ON APR 1	176 000	1937
1938	---	20.4 ON JUL 8	0 ON APR 1	201 000	1938
1939	---	19.8 ON JUN 2	0 ON APR 1	186 000	1939
1940	---	19.8 ON JUL 27	0 ON APR 1	181 000	1940
1941	---	19.2 ON JUN 3	0 ON APR 1	158 000	1941
1942	---	19.5 ON JUL 25	0 ON APR 1	206 000	1942
1943	---	15.8 ON JUL 22	0 ON APR 1	146 000	1943
1944	---	17.0 ON JUL 24	0 ON APR 1	137 000	1944
1945	---	17.1 ON JUN 24	0 ON APR 1	219 000	1945
1946	---	17.7 ON JUN 6	0 ON APR 1	239 000	1946
1947	---	16.6 ON JUL 10	0 ON APR 1	171 000	1947
1948	---	16.1 ON JUL 20	0 ON APR 1	142 000	1948
1949	---	15.6 ON MAY 30	0 ON APR 1	188 000	1949
1950	---	15.4 ON OCT 7	0 ON APR 1	189 000	1950
1951	---	16.6 ON AUG 9	0 ON APR 1	104 000	1951
1952	---	16.7 ON AUG 31	0 ON APR 1	132 000	1952
1953	---	15.2 ON MAY 25	0 ON APR 1	144 000	1953
1954	---	17.2 ON AUG 29	0 ON APR 1	132 000	1954
1955	---	18.1 ON JUL 17	0 ON APR 1	137 000	1955
1956	---	17.8 ON MAY 20	0 ON APR 1	241 000	1956
1957	---	18.2 ON MAY 21	0 ON APR 1	213 000	1957
1958	---	18.6 ON MAY 25	0 ON APR 1	213 000	1958
1959	---	19.1 ON JUL 22	0 ON APR 1	273 000	1959
1960	---	19.2 ON JUN 18	0 ON APR 1	215 000	1960
1961	---	20.0 ON MAY 27	0 ON APR 1	253 000	1961
1962	---	20.0 ON JUN 14	0 ON APR 1	234 000	1962
1963	---	20.7 ON JUN 14	0 ON APR 1	277 000	1963
1964	---	20.1 ON SEP 5	0 ON APR 1	214 000	1964
1965	---	19.4 ON JUN 20	0 ON APR 1	184 000	1965
1966	---	20.0 ON JUN 21	0 ON APR 1	229 000	1966
1967	---	19.7 ON JUL 8	0 ON APR 1	158 000	1967
1968	---	20.1 ON JUN 23	0 ON APR 1	267 000	1968
1969	---	20.1 ON JUN 7	0 ON APR 1	207 000	1969
1970	---	20.0 ON JUN 4	0 ON APR 1	204 000	1970
1971	---	20.5 ON JUL 25	0 ON APR 1	204 000	1971
1972	---	20.4 ON JUN 3	0 ON APR 1	249 000	1972
1973	---	20.4 ON JUN 10	0 ON SEP 15	188 000	1973
1974	---	20.3 ON MAY 10	0 ON SEP 30	254 000	1974
1975	---	19.5 ON SEP 1	0 ON APR 1	122 000	1975
1976	---	20.3 ON JUL 7	0 ON APR 1	258 000	1976
1977	---	18.7 ON MAY 17	0 ON APR 1	126 000	1977
1978	---	18.7 ON JUN 30	0 ON APR 1	125 000	1978
1979	---	19.5 ON JUN 15	0E ON APR 1	159 000	1979
1980	---	19.9 ON MAY 1	0 ON SEP 15	238 000	1980
1981	---	18.6 ON JUN 12	0 ON OCT 1	255 000	1981
1982	---	19.6 ON JUN 28	0E ON APR 1	123 000	1982
1983	---	20.0 ON JUL 16	0 ON SEP 3	200 000	1983
1984	---	19.8 ON MAY 31	0 ON AUG 28	178 000	1984
				178 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO 05AE027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1902	---	---	---	---	---	---	---	---	17 5	13 5	9 69	5 85	---	1902
1903	4 67	3 85	3 40	18 1	48 8	148	82 9	39 8	31 4	26 0	15 1	12 4	36 1	1903
1904	6 34	5 80	5 68	20 5	57 3	83 1	53 9	26 4	11 9	6 26	3 67	4 69	23 8	1904
1905	2 58	2 12	5 32	8 61	34 5	69 8	46 6	24 0	10 5	21 9	8 43	6 80	20 2	1905
1906	2 83	2 69	3 54	13 6	42 7	84 8	51 6	26 8	17 8	21 4	31 2	10 2	24 2	1906
1907	4 25	5 66	7 36	13 9	54 7	121	88 2	37 8	34 4	17 9	6 91	4 45	33 1	1907
1908	2 97	5 66	9 34	23 9	70 4	212	70 5	23 6	13 1	13 6	10 5	5 66	38 4	1908
1909	4 25	4 81	5 66	9 91	53 9	146	85 0	41 3	18 1	12 7	15 6	5 66	33 7	1909
1910	4 25	4 53	10 3	33 6	85 8	83 5	33 3	16 4	15 7	29 3	21 0	8 32	25 5	1910
1911	5 66	5 36	5 54	14 4	67 6	88 3	47 5	29 8	38 7	17 6	9 80	5 52	28 1	1911
1912	4 81	3 96	3 68	15 3	57 5	66 5	44 8	25 1	14 9	12 0	12 2	7 05	22 4	1912
1913	4 48	3 64	5 40	21 2	64 2	128	57 3	32 9	16 3	12 7	10 5	5 38	29 4	1913
1914	3 62	2 86	5 20	18 0	63 2	85 1	40 5	20 4	16 5	23 8	19 9	7 24	24 0	1914
1915	4 75	3 32	4 45	16 3	46 6	63 8	48 8	27 4	23 9	20 9	14 3	6 88	23 5	1915
1916	5 26	10 7	14 6	18 8	48 3	131	98 1	34 6	26 8	11 1	9 19	6 22	34 5	1916
1917	4 82	3 88	3 73	12 8	62 7	116	62 5	14 1	10 8	10 7	7 03	4 75	26 2	1917
1918	20 6	5 18	5 15	18 7	53 1	78 7	22 5	14 4	13 0	11 2	7 33	4 60	21 3	1918
1919	4 25	3 83	3 48	7 54	45 0	39 5	18 4	11 2	7 23	4 11	4 88	5 06	12 9	1919
1920	5 11	6 48	7 34	12 1	47 1	80 4	50 9	19 1	17 4	17 5	8 16	6 23	23 2	1920
1921	4 21	4 93	10 4	18 3	72 1	82 2	35 8	18 5	12 8	25 0	9 98	8 61	26 2	1921
1922	4 88	3 94	2 88	7 87	58 6	101	29 8	16 5	10 6	8 64	6 86	4 23	21 3	1922
1923	4 70	3 87	3 04	11 9	58 7	71 5	30 6	18 3	27 2	15 9	7 74	3 83	21 5	1923
1924	3 08	5 75	3 88	11 1	44 3	85 1	43 1	15 4	10 8	9 33	9 01	7 17	19 0	1924
1925	5 04	7 08	7 98	28 3	74 6	84 7	38 6	19 2	13 8	15 7	8 88	4 55	25 5	1925
1926	1 73	2 88	3 78	12 4	22 1	19 7	15 9	6 60	16 3	24 9	12 1	7 96	12 4	1926
1927	4 48	4 30	4 22	13 5	78 4	147	66 5	29 5	42 8	32 7	23 7	8 97	38 1	1927
1928	7 93	4 85	11 6	15 7	101	84 3	84 3	20 5	13 6	27 4	12 6	6 28	29 4	1928
1929	3 34	3 02	5 47	8 28	44 4	80 6	23 3	10 9	8 85	6 42	4 03	2 40	16 0	1929
1930	2 56	5 08	7 18	36 9	58 3	80 4	23 3	11 2	9 38	7 81	4 88	2 84	19 3	1930
1931	1 72	3 46	3 26	4 60	37 4	31 2	16 4	13 3	11 6	7 92	5 85	5 35	11 9	1931
1932	2 93	8 12	12 0	11 6	44 9	61 3	26 7	12 3	10 2	7 88	7 43	6 16	17 5	1932
1933	5 19	2 59	2 90	10 5	43 1	92 3	40 1	16 2	12 6	14 5	26 6	12 7	23 3	1933
1934	15 7	11 6	11 5	37 7	71 8	85 6	20 4	12 3	9 38	7 07	22 0	8 00	24 4	1934
1935	7 88	11 1	8 45	11 9	35 4	48 1	25 5	15 0	8 50	5 58	2 59	2 13	15 2	1935
1936	2 46	1 18	3 88	12 5	38 0	37 8	16 4	9 35	5 25	3 66	2 32	3 52	11 4	1936
1937	3 11	2 83	3 22	5 42	28 0	81 3	25 1	11 5	7 42	7 35	10 7	4 43	16 0	1937
1938	3 50	3 58	4 10	11 2	52 8	69 4	30 4	11 7	11 9	8 97	6 86	4 71	18 1	1938
1939	3 84	3 15	7 47	11 3	36 4	26 0	18 3	10 9	6 19	3 26	2 31	3 33	11 1	1939
1940	3 10	2 28	3 88	7 32	31 2	30 5	16 2	8 11	9 01	8 20	4 05	3 80	10 8	1940
1941	3 04	2 24	2 36	8 45	18 2	19 7	17 1	8 70	11 1	12 9	7 78	13 2	10 4	1941
1942	5 64	3 72	3 28	11 2	28 3	71 3	34 6	16 1	12 1	14 4	7 53	5 78	17 9	1942
1943	3 52	3 84	3 33	28 1	50 9	95 0	56 4	19 1	10 8	7 47	4 42	2 81	23 7	1943
1944	1 67	2 19	2 18	4 11	21 6	25 9	16 3	11 9	8 72	6 17	5 21	3 26	9 28	1944
1945	2 82	2 61	2 77	3 88	32 0	69 4	27 4	10 5	8 84	8 67	10 9	4 83	15 5	1945
1946	3 85	3 16	4 24	13 7	41 5	47 1	27 1	12 6	11 4	11 4	10 2	5 50	16 0	1946
1947	4 87	5 88	6 37	27 8	83 4	54 3	28 2	13 8	12 0	26 9	13 2	6 89	22 0	1947
1948	3 87	2 74	3 42	16 7	76 2	144	29 5	15 6	9 19	7 78	3 05	2 30	26 2	1948
1949	1 86	2 33	3 57	9 88	40 8	41 4	18 9	10 2	10 5	8 87	9 11	10 5	14 0	1949
1950	5 22	4 00	5 43	14 7	54 4	115	64 3	22 9	10 1	17 1	23 7	11 6	28 1	1950
1951	8 13	7 35	7 37	18 2	94 1	84 6	73 1	23 8	40 5	45 0	12 7	6 47	35 7	1951
1952	4 17	4 28	6 15	23 4	60 1	57 1	28 1	16 2	7 91	4 78	3 04	2 22	18 1	1952
1953	4 86	6 91	5 81	12 8	58 9	145	62 6	20 1	11 5	8 34	5 48	3 69	28 9	1953
1954	3 37	4 85	4 44	14 9	86 6	80 5	67 1	20 3	32 7	27 8	13 4	7 40	30 4	1954
1955	3 33	3 08	2 43	8 10	32 3	82 0	44 8	16 1	16 1	23 2	12 9	6 38	21 6	1955
1956	5 80	3 58	4 81	10 0	64 7	78 8	32 2	15 9	9 84	10 4	6 56	4 63	20 4	1956
1957	3 86	3 23	3 86	5 84	70 4	82 4	17 0	10 5	5 81	6 59	7 52	4 19	18 6	1957
1958	2 16	3 08	4 05	8 13	48 3	59 1	21 3	11 9	10 3	10 9	8 36	7 77	16 3	1958
1959	7 04	5 01	6 12	13 6	46 2	85 0	35 2	18 1	21 6	26 0	14 8	8 67	24 0	1959
1960	5 21	3 60	4 61	13 8	24 8	55 7	27 2	14 7	8 88	5 02	5 15	3 84	14 3	1960
1961	2 89	3 88	4 86	8 56	38 3	89 1	24 5	12 2	7 90	14 9	7 34	3 96	16 8	1961
1962	3 40	4 48	3 53	14 8	31 2	40 7	23 1	13 7	10 8	10 2	10 8	8 43	14 6	1962
1963	4 50	6 14	4 52	7 48	28 7	54 9	29 0	11 8	9 15	6 27	3 84	3 48	14 4	1963
1964	2 10	3 04	2 53	4 40	33 8	153	45 1	11 1	12 2	22 0	9 84	4 30	26 2	1964
1965	3 85	4 84	4 54	14 5	56 0	80 1	38 1	17 7	19 8	20 3	10 9	5 61	23 9	1965
1966	4 81	3 21	4 46	17 1	40 5	62 8	33 8	14 1	10 1	8 53	6 28	5 26	17 5	1966
1967	4 15	3 80	4 22	8 30	78 4	108	42 2	18 0	8 41	6 14	9 38	6 58	24 3	1967
1968	4 70	6 28	6 89	6 88	32 1	62 4	27 0	15 1	28 2	18 5	9 77	5 38	17 8	1968
1969	4 48	4 14	6 08	21 0	38 3	62 5	32 2	10 7	8 14	10 8	6 41	3 71	17 5	1969
1970	3 00	3 01	3 58	6 18	44 9	102	25 8	13 0	8 33	8 48	4 32	4 80	18 8	1970
1971	4 09	7 23	4 86	11 8	70 3	81 1	40 4	17 6	11 7	8 24	6 19	3 82	23 2	1971
1972	2 82	3 38	14 5	17 0	71 2	88 4	43 2	22 1	13 0	12 5	8 23	3 48	24 8	1972
1973	4 24	4 37	3 42	5 48	38 6	41 8	20 0	11 9	6 86	5 21	10 1	5 80	12 3	1973
1974	8 40	6 88	8 27	11 8	38 7	85 6	53 6	21 4	15 1	4 93	3 36	3 46	22 3	1974
1975	3 45	2 67	2 76	3 88	38 6	188	75 6	20 4	22 0	18 0	12 0	14 2	31 8	1975
1976	5 88	5 08	4 84	15 7	53 6	37 8	34 7	22 8	13 8	8 81	3 10	2 88	17 5	1976
1977	3 88	2 87	3 45	6 70	23 8	23 7	15 5	13 6	16 3	6 38	4 60	5 86	10 4	1977
1978	3 88	2 88	3 32	11 7	54 6	88 2	48 3	23 0	33 7	18 4	8 58	4 42	23 2	1978
1979	2 88	2 83	6 62	11 2	63 6	80 3	24 6	11 1	8 88	3 78	2 83	2 88	18 1	1979
1980	2 39	2 04	1 81	8 84	54 7	41 2	20 2	12 5	18 8	10 2	8 26	7 35	15 8	1980
1981	10 7	6 01	3 88	10 5	51 3	43 4	30 6	13 9	7 88	4 87	3 01	2 46	15 6	1981
1982	1 77	3 46	4 87	7 37	38 5	71 7	57 1	16 5	8 30	6 21	5 08	3 17	19 2	1982
1983	2 83	2 58	3 78	4 79	27 6	36 3	27 7	13 7	8 08	3 80	7 10	3 43	11 9	1983
1984	6 01	3 77	3 00	8 14	22 7	40 1	24 3	13 1	10 1	6 88	5 81	2 87	12 4	1984
MEAN	4 61	4 36	5 23	13 3	49 8	78 4	38 7	17 5	14 5	13 2	9 19	6 67	21 1	MEAN

LOCATION - LAT 49 00 12 N LONG 113 19 48 W DRAINAGE AREA, 1 210 km² REGULATED INTERNATIONAL GAUGING STATION

ST. MARY RIVER AT INTERNATIONAL BOUNDARY - STATION NO. 05AE027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1902	---	---	---	---	1902
1903	---	175 ON JUN 8	3.40 B ON MAR 1	1 140 000	1903
1904	---	110 ON JUN 7	3.11 ON NOV 7	753 000	1904
1905	---	92.6 ON JUN 7	2.12 B ON FEB 1	837 000	1905
1906	---	75.3 ON JUN 6	2.69 B ON FEB 1	783 000	1906
1907	---	159 ON JUN 23	3.40 E ON DEC 28	1 040 000	1907
1908	1 130 E ON JUN 5 *	793 E ON JUN 5 *	2.97 E ON JAN 1	1 210 000	1908
1909	---	186 ON JUN 4	4.26 E ON JAN 1	1 080 000	1909
1910	---	83.6 ON MAY 27	3.40 B ON DEC 31	807 000	1910
1911	---	110 ON JUN 13	2.83 B ON DEC 31	884 000	1911
1912	---	98.5 ON MAY 21	3.68 E ON MAR 1	707 000	1912
1913	---	152 ON JUN 2	2.21 B ON DEC 31	827 000	1913
1914	---	88.3 ON JUN 4	1.98 B ON FEB 5	756 000	1914
1915	83.0 ON JUN 26	75.6 ON JUN 26	2.83 B ON FEB 22	743 000	1915
1916	253 ON JUN 22	244 ON JUN 22	4.22 B ON JAN 9	1 090 000	1916
1917	---	147 ON JUN 11	2.83 B ON JAN 30	827 000	1917
1918	147 ON JUN 14	141 ON JUN 14	3.26 B ON MAR 1	873 000	1918
1919	124 ON MAY 30	122 ON MAY 30	1.30 B ON DEC 1	407 000	1919
1920	130 AT 11:00 MST ON JUN 18	126 ON JUN 18	1.36 B ON JAN 24	732 000	1920
1921	150 AT 15:00 MST ON MAY 26	139 ON MAY 26	3.14 B ON FEB 6	826 000	1921
1922	149 AT 09:30 MST ON JUN 7	149 ON JUN 7	2.65 B ON MAR 26	873 000	1922
1923	99.4 AT 11:00 MST ON JUN 11	97.4 ON JUN 11	2.49 B ON MAR 6	677 000	1923
1924	85.8 AT 11:30 MST ON JUN 17	84.4 ON JUN 17	2.32 B ON JAN 5	802 000	1924
1925	141 AT 22:00 MST ON MAY 23	135 ON MAY 24	3.68 B ON DEC 28	808 000	1925
1926	---	46.2 ON OCT 20	1.36 B ON JAN 31	381 000	1926
1927	220 AT 18:00 MST ON JUN 11	212 ON JUN 11	2.38 B ON MAR 24	1 200 000	1927
1928	151 AT 17:00 MST ON MAY 27	148 ON MAY 27	4.11 B ON FEB 21	929 000	1928
1929	106 AT 15:30 MST ON MAY 25	102 ON MAY 26	1.47 B ON DEC 10	472 000	1929
1930	89.5 AT 20:00 MST ON JUN 12	86.4 ON JUN 12	0.7878 ON DEC 18	807 000	1930
1931	89.1 AT 07:00 MST ON MAY 18	88.3 ON MAY 18	1.84 B ON JAN 12	378 000	1931
1932	---	86.1A ON JUN 18	1.95 B ON JAN 18	682 000	1932
1933	118 AT 19:00 MST ON JUN 8	117 ON JUN 5	1.70 B ON MAR 7	735 000	1933
1934	140 AT 22:00 MST ON JUN 6	136 ON JUN 6	5.61 A ON OCT 11	770 000	1934
1935	85.7 AT 17:30 MST ON MAY 24	84.7 ON MAY 25	1.44 B ON NOV 2	478 000	1935
1936	83.5 AT 10:30 MST ON JUN 3	82.1 ON JUN 3	0.4638 ON NOV 29 *	383 000	1936
1937	162 AT 18:45 MST ON JUN 13	156 ON JUN 14	2.48 B ON MAR 23	803 000	1937
1938	136 AT 13:15 MST ON MAY 28	133 ON MAY 28	2.78 ON NOV 5	671 000	1938
1939	61.0 AT 19:00 MST ON MAY 24	44.2 ON MAY 25	0.787A ON NOV 5	380 000	1939
1940	47.5 AT 09:00 MST ON MAY 21	45.0 ON MAY 21	1.73 A ON NOV 3	340 000	1940
1941	30.6 AT 18:00 MST ON JUN 29	27.6 ON JUN 29	2.04 B ON FEB 13	327 000	1941
1942	131 AT 15:00 MST ON JUN 8	128 ON JUN 8	2.36 B ON FEB 27	863 000	1942
1943	148 AT 11:00 MST ON JUN 20	144 ON JUN 20	1.30 B ON DEC 31	747 000	1943
1944	37.4 AT 12:00 MST ON JUN 27	36.0 ON MAY 20	1.10 B ON JAN 4	293 000	1944
1945	108 AT 06:45 MST ON JUN 6	105 ON JUN 6	2.04 B ON FEB 4	488 000	1945
1946	64.3 AT 17:30 MST ON MAY 29	62.9 ON MAY 29	2.15 B ON FEB 2	508 000	1946
1947	88.1 AT 24:00 MST ON MAY 11	86.4 ON MAY 11	3.82 B ON JAN 31	695 000	1947
1948	261 AT 15:30 MST ON JUN 17	236 ON JUN 17	1.33 B ON FEB 5	827 000	1948
1949	72.8 AT 16:00 MST ON MAY 14	62.3 ON MAY 31	1.64 B ON JAN 8	442 000	1949
1950	149 AT 07:00 MST ON JUN 25	145 ON JUN 25	2.41 B ON FEB 10	917 000	1950
1951	261 AT 14:30 MST ON JUN 24	198 ON JUN 24	4.78 B ON DEC 31	1 130 000	1951
1952	88.8 AT 00:30 MST ON OCT 5	81.6 ON JUN 12	1.47 B ON DEC 18	571 000	1952
1953	328 AT 15:00 MST ON JUN 3	288 ON JUN 4	1.02 B ON DEC 7	912 000	1953
1954	168 AT 17:00 MST ON MAY 22	162 ON MAY 22	0.8508 ON APR 2	984 000	1954
1955	132 AT 18:00 MST ON JUN 25	129 ON JUN 26	0.7088 ON MAR 24	882 000	1955
1956	154 AT 14:00 MST ON MAY 24	151 ON MAY 24	1.96 B ON FEB 23	848 000	1956
1957	101 AT 18:30 MST ON MAY 8	98.3 ON MAY 8	1.70 B ON FEB 19	531 000	1957
1958	90.6 AT 11:00 MST ON JUN 12	89.5 ON JUN 12	1.42 B ON JAN 13	515 000	1958
1959	123 AT 02:30 MST ON JUN 8	121 ON JUN 7	3.88 B ON MAR 8	788 000	1959
1960	83.5 AT 22:00 MST ON JUN 5	81.8 ON JUN 5	1.70 B ON MAR 14	483 000	1960
1961	103 AT 22:30 MST ON MAY 30	98.8 ON MAY 31	2.48 B ON JAN 18	623 000	1961
1962	55.5 AT 20:00 MST ON JUN 5	48.4 ON MAY 31	2.55 B ON JAN 24	480 000	1962
1963	80.8 AT 24:00 MST ON JUN 12	72.5 ON JUN 11	2.44 B ON JAN 8	454 000	1963
1964	595 AT 16:30 MST ON JUN 8	481 ON JUN 9	0.9348 ON JAN 21	787 000	1964
1965	148 AT 15:00 MST ON JUN 20	148 ON JUN 20	3.11 B ON JAN 23	788 000	1965
1966	148 AT 18:00 MST ON JUN 4	125 ON JUN 4	2.72 B ON MAR 1	585 000	1966
1967	167 AT 19:00 MST ON MAY 31	163 ON MAY 31	3.00 B ON MAR 12	787 000	1967
1968	71.4 AT 19:15 MDT ON JUN 7	67.7 ON JUN 7	3.74 B ON JAN 8	585 000	1968
1969	117 AT 12:15 MDT ON JUN 27	108 ON JUN 27	2.80 B ON MAR 11	551 000	1969
1970	182 AT 16:00 MDT ON JUN 13	165 ON JUN 14	2.32 B ON JAN 18	593 000	1970
1971	162 AT 10:15 MST ON MAY 31	158 ON MAY 31	2.94 B ON DEC 31	732 000	1971
1972	141 AT 12:15 MST ON JUN 12	138 ON JUN 12	1.84 B ON JAN 10	784 000	1972
1973	72.5 AT 04:45 MST ON JUN 10	70.5 ON JUN 10	2.58 ON MAR 28	388 000	1973
1974	187 AT 10:00 MST ON JUN 19	180 ON JUN 19	2.52 B ON DEC 31	701 000	1974
1975	680 AT 04:00 MST ON JUN 21	470 ON JUN 21	1.87 B ON MAR 8	1 010 000	1975
1976	90.9 AT 18:00 MST ON MAY 13	87.2 ON MAY 14	2.68 B ON NOV 28	554 000	1976
1977	38.1 AT 14:00 MDT ON JUN 9	38.2 ON JUN 8	2.01 B ON MAR 20	329 000	1977
1978	118 AT 10:00 MST ON JUN 10	114 ON JUN 10	2.35 B ON MAR 16	731 000	1978
1979	144 AT 12:30 MDT ON MAY 28	140 ON MAY 28	1.59 B ON NOV 28	508 000	1979
1980	140 AT 13:30 MDT ON MAY 26	125 ON MAY 26	0.8508 ON MAR 17	503 000	1980
1981	107 AT 22:00 MDT ON MAY 22	89.4 ON MAY 23	1.70 B ON DEC 31	498 000	1981
1982	102 AT 02:00 MDT ON MAY 28	101 ON MAY 28	1.44 B ON JAN 8	608 000	1982
1983	80.8 AT 08:30 MDT ON MAY 31	80.3 ON MAY 30	1.86 ON APR 17	375 000	1983
1984	82.1 AT 13:00 MST ON JUN 29	81.2 ON JUN 29	2.07 ON APR 9	393 000	1984
				664 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1911	---	---	---	---	---	---	---	---	---	---	20.7	7.12	---	1911
1912	8.21	4.98	---	---	58.0	58.7	48.7	22.1	12.3	13.6	14.8	7.88	---	1912
1913	2.48	3.08	5.70	34.7	56.7	118	52.8	28.7	9.82	12.7	10.4	5.59	28.2	1913
1914	5.41	3.85	8.52	22.3	52.5	80.8	28.1	10.9	9.01	30.2	25.2	5.75	21.2	1914
1915	5.10	5.29	35.4	19.8	49.4	77.8	56.3	29.6	25.7	26.5	20.9	9.23	29.4	1915
1916	4.32	21.4	23.2	24.4	55.5	147	114	39.6	29.0	15.5	7.89	4.75	40.6	1916
1917	4.98	5.45	5.17	28.2	66.6	129	58.5	10.5	5.99	---	8.28	5.50	---	1917
1918	25.6	7.04	13.6	22.3	53.5	73.2	10.6	---	---	---	7.39	4.65	---	1918
1919	4.44	4.29	5.69	9.15	36.2	24.4	3.25	1.50	0.856	2.84	4.70	5.22	8.57	1919
1920	5.62	7.02	13.6	22.4	63.9	72.5	36.5	7.39	6.26	6.97	8.17	8.18	21.6	1920
1921	5.09	5.96	11.6	22.2	58.9	78.4	15.7	2.06	1.76	12.2	11.2	9.35	19.6	1921
1922	4.83	3.83	3.26	9.83	55.6	88.3	23.4	3.81	2.14	4.11	7.11	4.11	17.5	1922
1923	4.79	3.34	4.59	12.3	45.9	74.5	24.0	8.05	10.7	7.33	8.26	4.22	18.1	1923
1924	2.71	6.96	5.81	14.4	35.0	82.1	26.6	4.60	1.84	3.22	9.05	6.11	15.2	1924
1925	5.61	6.84	15.7	40.0	70.6	88.1	21.4	4.71	4.08	15.2	7.26	5.76	22.2	1925
1926	2.30	3.42	3.98	8.46	8.28	8.32	4.13	0.800	7.81	25.3	13.1	7.78	7.87	1926
1927	5.24	5.07	7.88	18.6	107	187	84.0	22.2	39.3	35.6	26.4	11.0	42.6	1927
1928	36.2	6.60	25.9	22.7	98.4	87.6	83.5	18.6	4.79	26.2	13.2	8.78	34.4	1928
1929	3.76	3.92	20.2	16.3	43.3	70.3	14.4	1.76	1.11	2.01	4.66	3.85	15.5	1929
1930	3.74	10.3	10.3	35.9	58.6	45.9	5.48	0.952	2.85	7.03	5.07	3.53	15.6	1930
1931	1.86	3.67	3.41	2.53	19.6	13.4	1.24	1.44	2.31	2.48	4.86	5.76	5.21	1931
1932	---	---	13.8	13.5	44.3	51.3	10.4	0.889	1.89	4.00	7.81	6.52	---	1932
1933	6.53	3.26	4.86	13.4	46.6	82.3	20.1	1.26	2.17	10.3	28.9	12.3	19.2	1933
1934	20.0	17.1	17.7	40.2	89.3	85.9	8.50	0.883	1.31	4.21	23.9	8.21	22.2	1934
1935	10.6	16.8	9.35	16.6	30.9	31.8	4.44	2.61	0.859	1.92	3.22	2.84	10.9	1935
1936	2.68	1.22	8.26	16.2	30.0	24.0	0.893	0.510	0.429	0.676	7.39	2.28	7.53	1936
1937	2.81	2.78	4.97	7.90	12.0	73.9	5.49	1.30	1.10	7.13	10.0	5.14	11.2	1937
1938	4.03	3.84	5.72	10.6	46.3	58.6	16.2	1.32	3.87	4.84	8.36	4.87	13.7	1938
1939	4.46	3.70	6.80	7.96	16.3	24.4	7.12	0.492	0.596	1.32	1.19	3.03	6.82	1939
1940	2.68	2.83	7.12	7.03	22.1	7.12	1.38	0.896	1.14	2.00	4.39	4.13	5.22	1940
1941	3.60	3.01	4.44	5.19	6.82	11.3	3.01	0.402	2.14	10.1	5.88	10.6	5.58	1941
1942	8.11	3.93	5.30	13.8	23.7	81.0	26.6	8.10	6.77	10.5	7.80	8.38	16.9	1942
1943	3.12	4.08	12.8	32.5	48.4	91.2	42.7	3.11	1.14	1.98	5.86	2.94	20.8	1943
1944	1.74	1.89	2.87	3.48	2.93	7.21	2.36	0.810	0.342	2.38	5.15	3.50	2.87	1944
1945	3.10	3.06	4.44	2.28	21.4	76.5	14.5	0.454	0.528	3.00	8.94	5.27	12.0	1945
1946	4.84	3.87	7.80	11.5	20.6	28.5	9.83	0.210	0.886	5.98	10.6	7.19	10.1	1946
1947	8.00	7.82	23.4	31.0	62.3	48.8	9.43	3.66	11.1	18.7	11.1	4.77	19.9	1947
1948	4.37	3.02	7.51	32.1	89.7	151	18.7	5.52	1.13	1.01	3.92	1.83	26.5	1948
1949	1.38	3.47	7.11	9.77	25.5	32.6	1.80	0.842	0.723	3.32	8.58	10.3	8.70	1949
1950	8.32	4.56	8.98	16.1	48.6	102	51.8	5.51	0.902	8.53	28.7	11.2	24.5	1950
1951	10.4	8.43	16.5	31.2	55.3	86.8	86.1	57.2	49.5	59.5	44.5	4.51	43.9	1951
1952	0.142	0.142	4.26	12.6	31.9	46.2	37.3	33.8	8.54	1.89	1.08	0.783	14.6	1952
1953	0.884	0.800	3.06	2.75	19.4	187	42.0	35.0	12.0	11.2	8.47	4.89	27.1	1953
1954	1.30	0.855	0.884	15.0	62.5	49.6	8.83	9.79	31.1	53.1	33.9	16.7	23.9	1954
1955	1.77	0.879	2.15	25.6	32.0	28.1	40.2	12.5	6.71	33.1	27.2	17.8	18.1	1955
1956	7.47	6.38	8.08	5.86	13.2	27.2	36.5	20.5	22.7	20.6	10.6	5.07	15.3	1956
1957	0.167	0.807	2.71	8.80	11.3	25.1	4.52	2.48	2.31	8.43	8.06	0.478	6.11	1957
1958	0.184	0.153	2.03	20.1	1.09	28.1	9.99	2.83	1.17	2.90	8.03	0.425	6.36	1958
1959	1.33	13.7	16.7	9.89	29.2	49.5	15.7	4.06	9.45	3.12	24.9	10.0	15.5	1959
1960	7.23	6.72	14.6	21.4	25.2	10.6	2.82	1.94	1.15	1.25	1.03	0.780	7.92	1960
1961	0.344	0.816	1.06	0.853	1.44	1.36	1.61	0.976	1.89	1.26	0.837	0.049	0.979	1961
1962	2.06	4.12	10.3	12.4	1.86	1.13	1.36	1.31	1.11	1.10	1.59	0.282	3.21	1962
1963	0.107	0.882	1.32	0.736	0.885	2.89	21.0	2.02	0.822	1.16	1.69	0.954	2.88	1963
1964	0.412	0.416	0.844	2.09	88.4	110	9.51	3.86	0.973	0.983	1.50	3.87	16.7	1964
1965	1.86	4.37	6.59	36.2	66.5	83.9	46.9	8.09	17.8	31.3	6.38	5.93	26.4	1965
1966	6.46	5.04	10.7	26.1	37.9	51.7	31.1	5.76	16.1	2.43	2.80	1.74	16.5	1966
1967	3.06	5.21	13.3	30.3	106	123	17.3	2.47	2.16	1.39	2.86	0.838	25.7	1967
1968	0.848	0.834	1.34	2.81	8.87	40.2	3.50	8.81	36.5	13.4	38.4	6.49	13.6	1968
1969	0.830	1.66	10.7	24.9	27.6	23.2	36.0	13.6	1.71	1.77	1.54	0.795	12.0	1969
1970	0.824	0.876	1.13	1.75	28.9	35.6	25.6	9.02	2.15	1.91	2.06	8.10	9.75	1970
1971	8.85	6.36	4.61	8.89	36.6	85.6	14.2	7.26	8.06	8.41	4.74	3.06	14.8	1971
1972	3.86	4.22	37.3	30.1	68.3	80.0	12.1	15.0	2.55	11.3	9.63	2.93	23.1	1972
1973	4.50	4.15	4.19	2.26	2.86	8.84	3.97	3.30	3.93	9.06	3.79	0.883	4.29	1973
1974	0.828	2.44	3.79	5.76	29.1	44.9	11.6	9.52	14.3	3.11	4.33	0.927	10.9	1974
1975	0.834	1.03	1.23	8.84	61.9	194	67.6	10.1	40.0	17.0	1.71	9.29	34.3	1975
1976	11.7	10.3	12.2	3.37	17.5	4.84	8.50	28.7	9.87	11.1	4.73	2.76	10.5	1976
1977	2.77	4.22	2.17	1.92	2.27	2.67	2.78	2.33	1.97	2.47	2.16	1.45	2.42	1977
1978	1.16	1.36	7.38	3.86	35.1	55.2	16.5	13.4	82.8	37.1	8.46	2.25	20.4	1978
1979	2.36	2.00	26.8	23.4	58.2	22.9	4.76	4.77	3.67	4.77	3.09	1.90	13.1	1979
1980	1.83	2.10	2.50	3.13	22.0	47.3	8.20	8.72	3.42	11.7	4.81	8.01	10.1	1980
1981	8.85	1.63	1.48	1.39	59.6	35.2	3.59	4.30	3.06	3.79	8.85	3.38	11.2	1981
1982	2.80	2.45	3.48	12.5	10.2	29.5	24.0	4.36	2.98	11.8	11.9	5.52	10.1	1982
1983	3.35	3.30	4.26	2.70	5.79	2.49	2.86	2.81	2.26	3.89	5.17	3.85	3.58	1983
1984	8.82	1.63	1.18	1.30	1.54	1.84	2.31	2.62	2.15	1.44	1.21	0.884	2.02	1984
MEAN	4.75	4.47	8.84	15.0	38.1	58.9	22.1	8.55	8.45	10.5	9.78	5.16	15.7	MEAN

LOCATION - LAT 49 34 24 N DRAINAGE AREA, 3 630 km²
LONG 112 50 38 W REGULATED SINCE 1911

ST. MARY RIVER NEAR LETHBRIDGE - STATION NO. 05AE006

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1911	---	---	---	---	1911
1912	---	98.3 ON JUL 27	3.77 B ON MAR 18	---	1912
1913	---	158 ON JUN 3	1.30 ON OCT 5	891 000	1913
1914	---	87.1 ON MAY 24	1.59 B ON FEB 4	870 000	1914
1915	---	162 ON JUL 28	3.91 B ON MAR 3	928 000	1915
1916	---	254 ON JUN 22	3.88 B ON JAN 2	1 280 000	1916
1917	---	163 E ON JUN 13	4.11 B ON DEC 10	---	1917
1918	148 AT 10:00 MST ON JUN 16	141 ON JUN 16	1.90 B ON DEC 22	---	1918
1919	---	101 ON MAY 31	0.568 ON AUG 23	270 000	1919
1920	118 AT 11:00 MST ON JUN 19	112 ON JUN 19	1.38 ON SEP 13	882 000	1920
1921	113 AT 00:30 MST ON JUN 9	109 ON JUN 9	1.10 ON AUG 13	817 000	1921
1922	128 AT 12:00 MST ON JUN 8	126 ON JUN 8	1.08 B ON DEC 1	553 000	1922
1923	---	101 A ON JUN 22	2.32 B ON FEB 6	570 000	1923
1924	105 AT 12:00 MST ON JUN 8	91.5 ON JUN 9	1.09 B ON JAN 8	478 000	1924
1925	118 AT 18:00 MST ON MAY 24	116 ON MAY 25	1.22 A ON AUG 31	702 000	1925
1926	---	51.0 ON OCT 20	0.408 ON AUG 28	242 000	1926
1927	300 AT 03:30 MST ON MAY 30	261 ON MAY 30	4.13 B ON JAN 23	1 340 000	1927
1928	218 AT 06:00 MST ON JUL 2	208 ON JUL 2	1.58 ON OCT 1	1 090 000	1928
1929	175 AT 21:45 MST ON JUN 1	109 ON JUN 4	0.750 ON AUG 31	488 000	1929
1930	82.7 AT 11:30 MST ON MAY 5	80.1 ON MAY 5	0.589 ON JUL 18	491 000	1930
1931	46.7 ON MAY 18	42.8 ON MAY 19	0.340 ON JUL 25	184 000	1931
1932	224 AT 09:00 MST ON MAY 22	139 ON MAY 22	0.419 ON AUG 10	---	1932
1933	118 AT 08:00 MST ON JUN 10	112 ON JUN 7	0.411 ON AUG 18	804 000	1933
1934	159 E AT 12:00 MST ON JUN 9	156 E ON JUN 9	0.5958 ON DEC 25	700 000	1934
1935	---	75.6 ON MAY 26	0.096A ON SEP 23	344 000	1935
1936	71.4 AT 01:00 MST ON APR 12	57.5 ON JUN 6	0 ON JUL 25 *	238 000	1936
1937	238 AT 01:30 MST ON JUN 14	196 ON JUN 14	0.583 ON SEP 21	352 000	1937
1938	140 AT 18:30 MST ON MAY 29	136 ON MAY 29	0.736 ON OCT 2	431 000	1938
1939	42.2 AT 18:00 MST ON MAY 25	38.2 ON MAY 26	0.398 ON SEP 5	209 000	1939
1940	36.8 AT 11:30 MST ON MAY 22	34.5 ON MAY 22	0.181 ON SEP 1	185 000	1940
1941	27.2 AT 16:00 MST ON JUN 5	26.7 ON JUN 5	0.125A ON AUG 14	178 000	1941
1942	175 AT 23:00 MST ON JUN 6	165 ON JUN 7	1.50 ON AUG 28	532 000	1942
1943	138 AT 22:00 MST ON JUN 21	136 ON JUN 21	0.411 ON SEP 30	657 000	1943
1944	21.3 AT 09:00 MST ON JUN 29	18.9 ON JUN 29	0.119 ON APR 29	90 700	1944
1945	125 AT 09:00 MST ON JUN 8	123 ON JUN 8	0.113 ON SEP 7	378 000	1945
1946	88.8 AT 19:30 MST ON JUN 7	82.9 ON JUN 8	0.062 ON AUG 13	320 000	1946
1947	86.6 AT 08:00 MST ON MAR 20	87.2 ON MAR 20	0.575 ON AUG 20	627 000	1947
1948	418 AT 08:30 MST ON JUN 18	362 ON JUN 18	0.507 ON OCT 28	838 000	1948
1949	59.7 AT 17:00 MST ON JUN 1	59.2 ON JUN 1	0.462 ON AUG 21	274 000	1949
1950	137 AT 09:00 MST ON JUN 26	133 ON JUN 26	0.289 ON SEP 7	772 000	1950
1951	167 AT 08:30 MST ON JUN 25	138 ON JUN 25	0.1428 ON DEC 20	1 360 000	1951
1952	88.8 AT 06:30 MST ON JUN 16	67.4 ON JUN 15	0.1138 ON DEC 19	467 000	1952
1953	442 AT 12:00 MST ON JUN 4	408 ON JUN 4	0.3408 ON JAN 15	854 000	1953
1954	189 AT 13:00 MST ON MAY 21	175 ON MAY 22	0.2558 ON JAN 12	753 000	1954
1955	108 ON JUN 28	104 ON JUL 4	0.1988 ON MAR 4	802 000	1955
1956	113 AT 08:00 MST ON JUN 1	113 ON JUN 1	0.885 ON NOV 11	485 000	1956
1957	83.0 AT 20:00 MST ON MAY 23	61.6 ON MAY 23	0 B ON JAN 10	193 000	1957
1958	94.0 AT 17:00 MST ON JUN 12	88.6 ON JUN 13	0.0288 ON JAN 12	201 000	1958
1959	114 AT 03:00 MST ON JUN 11	113 ON JUN 11	0.0288 ON JAN 5	490 000	1959
1960	---	40.5 ON MAY 21	0.4538 ON DEC 18	250 000	1960
1961	5.41 AT 14:00 MST ON JUN 15	2.80 ON JUN 6	0 B ON DEC 14	30 800	1961
1962	31.7 B AT 13:00 MST ON MAR 19	26.9 B ON MAR 19	0.0038 ON DEC 19	101 000	1962
1963	106 AT 03:00 MST ON JUL 1	86.1 ON JUL 1	0.0178 ON JAN 15	90 300	1963
1964	459 AT 04:00 MST ON JUN 11	447 ON JUN 11	0.218 ON OCT 5	527 000	1964
1965	123 AT 10:00 MST ON JUN 27	122 ON JUN 27	0.7828 ON JAN 26	831 000	1965
1966	119 AT 19:00 MST ON JUN 6	118 ON JUN 7	0.4258 ON DEC 1	521 000	1966
1967	---	185 E ON MAY 26	0.2558 ON DEC 17	810 000	1967
1968	---	86.9 ON SEP 26	0.1708 ON JAN 9	430 000	1968
1969	---	163 ON JUN 30	0.2838 ON NOV 25	379 000	1969
1970	150 AT 14:33 MST ON JUN 16	147 ON JUN 16	0.2048 ON NOV 24	307 000	1970
1971	---	186 ON JUN 1	0.7898 ON DEC 7	459 000	1971
1972	141 AT 06:40 MST ON JUN 10	131 ON JUN 13	1.31 ON OCT 22	731 000	1972
1973	26.9 AT 00:30 MST ON JUN 22	26.3 ON JUN 21	0.2078 ON DEC 18	135 000	1973
1974	90.9 AT 11:20 MST ON JUN 22	90.0 ON JUN 22	0.4258 ON JAN 8	343 000	1974
1975	731 AT 21:50 MST ON JUN 20 *	702 ON JUN 21 *	0.8818 ON FEB 2	1 080 000	1975
1976	53.0 AT 06:40 MST ON MAY 20	52.1 ON MAY 20	1.76 B ON NOV 20	333 000	1976
1977	12.0 B AT 11:10 MST ON FEB 27	6.208 ON FEB 21	0.3118 ON NOV 21	78 300	1977
1978	85.4 AT 15:35 MST ON JUN 13	84.9 ON JUN 13	1.02 B ON JAN 3	843 000	1978
1979	116 AT 16:35 MST ON MAY 30	116 ON MAY 30	0.8758 ON DEC 12	415 000	1979
1980	288 AT 02:35 MST ON MAY 27	242 ON MAY 27	1.60 B ON JAN 7	321 000	1980
1981	---	225 ON MAY 25	0.2498 ON JAN 23	354 000	1981
1982	72.8 AT 10:30 MST ON JUN 10	69.8 ON JUN 9	2.06 B ON FEB 27	319 000	1982
1983	25.8 AT 20:15 MST ON MAY 26	25.0 ON MAY 26	1.30 ON OCT 11	113 000	1983
1984	---	9.008 ON JAN 28	0.5648 ON FEB 20	83 800	1984
				498 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STARK AND BURTON'S DITCH NEAR MEDICINE HAT - STATION NO. 05AH011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	0.020	---	---	---	---	---	---	---	---	1915
1916	---	---	---	0.093	---	---	---	---	---	---	---	---	---	1916
MEAN	---	---	---	0.093	0.020	---	---	---	---	---	---	---	---	MEAN

LOCATION - LAT 49 54 00 N
LONG 110 38 00 W
REGULATED

STARK AND BURTON'S DITCH NEAR MEDICINE HAT - STATION NO. 05AH011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	0 ON APR 27 *	---	1915
1916	---	---	---	---	1916
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	---	---	---	---	1.18	---	---	---	1974
1975	---	---	0.040	10.0	22.6	18.0	44.9	12.3	5.89	5.29	---	---	14.9	1975
1976	---	---	0.074	21.7	28.1	31.2	19.6	8.04	8.46	6.45	---	---	15.7	1976
1977	---	---	0.024	8.46	30.0	39.8	32.4	12.9	2.20	1.25	---	---	16.9	1977
1978	---	---	0.008	0.885	31.5	8.39	2.92	3.55	3.97	2.80	---	---	8.76	1978
1979	---	---	0.009	0.042	23.4	44.2	8.49	2.63	6.84	4.23	---	---	11.2	1979
1980	---	---	0	1.59	1.88	0.859	0.086	0.023	0.020	0.087	---	---	0.539	1980
1981	---	---	0.009	0.858	18.4	3.14	1.18	0.041	0.012	0.171	---	---	3.00	1981
1982	---	---	0.007	0.056	34.8	2.80	0.256	0.058	0.081	0.087	---	---	4.83	1982
1983	---	---	0.007	5.89	32.1	8.76	0.588	0.093	0.084	0.080	---	---	5.84	1983
1984	---	---	0.006	2.48	1.04	1.49	25.2	3.50	8.96	7.03	---	---	5.23	1984
MEAN	---	---	0.019	5.17	22.5	15.9	13.6	4.41	3.86	2.61	---	---	8.50	MEAN

LOCATION - LAT 59 34 00 N DRAINAGE AREA, 2 810 km^2
LONG 117 12 00 W NATURAL FLOW

STEEN RIVER NEAR STEEN RIVER - STATION NO. 07OB004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1974	---	---	---	---	1974
1975	100 AT 11:45 MST ON JUL 6 *	97.1 ON JUL 6 *	0.0068 ON APR 9	316 000	1975
1976	86.5 AT 14:00 MST ON APR 28	86.3 ON APR 29	0.0718 ON MAR 15	331 000	1976
1977	84.8 AT 11:00 MST ON JUN 12	84.6 ON JUN 12	0.0238 ON MAR 2	336 000	1977
1978	85.19 AT 00:30 MST ON MAY 6	80.08 ON MAY 6	0.0018 ON MAR 1	144 000	1978
1979	84.8 AT 17:00 MST ON JUN 3	84.3 ON JUN 3	0.0078 ON APR 1	237 000	1979
1980	11.58 AT 05:30 MST ON APR 24	7.308 ON APR 24	0 B ON MAR 1 *	11 400	1980
1981	33.8 AT 00:00 MST ON MAY 9	32.9 ON MAY 9	0.0058 ON MAR 6	83 500	1981
1982	57.0 AT 19:30 MST ON MAY 7	55.4 ON MAY 7	0.0038 ON MAR 1	102 000	1982
1983	60.68 AT 19:00 MST ON APR 30	52.68 ON APR 30	0.0048 ON APR 1	126 000	1983
1984	45.9 AT 18:00 MST ON JUL 8	45.7 ON JUL 9	0.0018 ON MAR 20	132 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		180 000	MEAN

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07DA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	---	3.02	2.07	0.783	---	1972
1973	0.518	---	---	---	---	---	---	---	---	---	---	1.30	---	1973
1974	0.809	0.807	0.576	19.2	26.8	12.4	8.88	7.80	4.12	5.33	1.80	0.959	7.35	1974
1975	0.841	0.438	0.415	2.85	13.8	14.0	27.3	15.3	30.2	17.4	2.77	0.719	10.5	1975
1976	0.518	0.418	0.489	8.23	5.85	3.17	4.18	5.82	10.7	7.51	2.08	0.481	4.07	1976
1977	0.388	0.388	0.431	8.32	7.22	7.30	5.47	2.94	2.32	2.81	0.809	0.304	3.04	1977
1978	0.362	0.384	0.318	3.01	10.9	5.85	3.24	7.78	23.4	18.4	4.58	1.18	8.38	1978
1979	0.598	0.408	0.389	0.826	30.1	10.8	3.80	4.86	8.97	4.89	2.58	0.742	5.81	1979
1980	0.388	0.214	0.370	3.63	1.81	2.07	0.802	8.08	13.7	7.53	2.52	0.815	3.30	1980
1981	0.457	0.431	0.477	2.92	8.84	3.54	5.78	1.47	0.188	0.788	0.948	0.385	2.01	1981
1982	0.338	0.174	0.208	3.00	18.6	4.42	1.53	2.43	2.34	1.32	0.834	0.380	2.97	1982
1983	0.388	0.328	0.387	3.11	4.23	3.74	2.34	1.88	1.18	1.82	1.45	0.212	1.74	1983
1984	0.861	0.188	0.288	2.94	2.22	11.2	14.8	10.7	13.3	10.3	4.02	1.41	5.98	1984
MEAN	0.426	0.353	0.388	5.08	11.4	7.09	7.10	6.07	9.85	8.58	2.20	0.728	4.81	MEAN

LOCATION - LAT 57 00 14 N DRAINAGE AREA, 1 320 km^2
LONG 111 24 53 W NATURAL FLOW

STEEPBANK RIVER NEAR FORT MCMURRAY - STATION NO. 07EA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	---	---	---	1973
1974	61.7 AT 10:35 MST ON APR 27	60.9 ON APR 27	0.4988 ON MAR 27	232 000	1974
1975	56.6A AT 10:30 MST ON JUL 19	55.6 A ON JUL 19	0.3948 ON MAR 3	332 000	1975
1976	10.1 AT 09:40 MST ON AUG 29	10.9 ON AUG 29	0.3828 ON DEC 26	129 000	1976
1977	16.2 AT 18:24 MST ON APR 22	13.0 ON MAY 31	0.2558 ON DEC 16	85 700	1977
1978	33.7 AT 19:10 MST ON SEP 25	33.4 ON SEP 25	0.2558 ON MAR 4	201 000	1978
1979	88.1 AT 20:58 MST ON MAY 21 *	85.2 ON MAY 20 *	0.3108 ON APR 8	177 000	1979
1980	18.8 AT 01:00 MST ON SEP 24	18.2 ON SEP 22	0.140 ON JUL 16	104 000	1980
1981	11.8 AT 13:00 MST ON JUL 13	11.7 ON JUL 13	0.022 ON SEP 16 *	83 500	1981
1982	28.4B AT 09:25 MST ON MAY 8	25.2 ON MAY 11	0.1808 ON FEB 8	83 600	1982
1983	11.2 AT 15:54 MST ON APR 23	9.63 ON APR 23	0.0908 ON DEC 27	54 800	1983
1984	37.8 AT 16:12 MST ON JUL 11	34.3 ON JUL 11	0.0808 ON JAN 5	168 000	1984
				152 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	1.56	3.37	1.35	0.412	0.894	---	---	---	1912
1913	---	---	---	---	0.892	1.78	0.624	0.520	0.286	---	---	---	---	1913
1914	---	---	---	---	---	0.776	0.121	0	0.004	---	---	---	---	1914
1915	---	---	---	0.526	---	---	---	---	---	---	---	---	---	1915
1916	---	---	---	---	2.94	9.22	4.10	2.54	2.38	1.55	---	---	---	1916
1917	---	---	---	---	8.46	9.86	0.928	0.226	0.217	0.172	---	---	---	1917
1918	---	---	---	0.523	0.556	0.374	0.048	0.002	0.004	0.038	---	---	---	1918
1919	---	---	0.140	0.540	0.218	0.034	---	---	---	---	---	---	---	1919
1938	---	---	---	---	---	---	---	0.007	0	0	---	---	---	1938
1939	---	---	0.316	0.331	0.076	1.72	0.284	0.148	0.005	0.081	---	---	0.381	1939
1940	---	---	0.042	0.949	1.40	0.501	0.126	0.006	0.051	0.187	---	---	0.407	1940
1941	---	---	---	0.226	0.249	0.713	0.043	0.024	0.302	0.355	---	---	---	1941
1942	---	---	---	0.671	14.5	11.9	3.65	2.68	3.27	0.853	---	---	---	1942
1943	---	---	0.973	5.07	1.62	1.07	0.223	0.006	0	0	---	---	1.11	1943
1944	---	---	0.080	0.285	0.145	0.126	0.037	0	0	0	---	---	0.078	1944
1945	---	---	0.004	0.183	1.13	2.80	0.845	0.057	0.129	0.134	---	---	0.632	1945
1946	---	---	0.371	0.832	0.771	3.06	0.863	0.102	0.222	0.286	---	---	0.748	1946
1947	---	---	2.11	2.85	2.21	3.65	0.493	0.383	0.621	0.508	---	---	1.59	1947
1948	---	---	0.436	3.74	5.51	4.55	1.16	0.401	0.051	0.083	---	---	2.11	1948
1949	---	---	0	1.26	0.534	0.783	0.058	0.007	0	0	---	---	0.322	1949
1950	---	---	0.126	1.22	1.01	0.450	0.151	0.053	0	0	---	---	0.375	1950
1951	---	---	0.226	1.66	3.00	5.78	4.17	2.54	3.66	2.83	---	---	3.12	1951
1952	---	---	1.34	5.02	4.19	2.77	1.17	0.232	0.188	0.037	---	---	1.66	1952
1953	---	---	1.42	2.74	5.56	13.9	1.56	0.126	0.040	0.045	---	---	3.14	1953
1954	---	---	0.101	1.56	2.53	1.46	0.356	0.417	0.400	0.5[illegible]	---	---	0.924	1954
1955	---	---	0.302	2.85	7.46	1.95	1.69	0.101	0.035	0.048	---	---	1.65	1955
1956	---	---	---	0.856	0.679	0.322	0.798	0.120	0.354	0.083	---	---	---	1956
1957	---	---	0.854	2.16	1.66	1.36	0.116	0.013	0.026	0.106	---	---	0.784	1957
1958	---	---	0.079	2.39	2.19	1.56	3.03	0.328	0.117	0.074	---	---	1.22	1958
1959	---	---	0.426	1.03	2.37	2.21	0.336	0.009	0.039	0.086	---	---	0.609	1959
1960	---	---	0.286	0.416	2.03	0.685	0.045	0	0	0	---	---	0.418	1960
1961	---	---	0.063	0.267	0.578	0.095	0.002	0.008	0	0.123	---	---	0.144	1961
1962	---	---	0.881	1.97	0.642	0.422	0.034	0	0	0	---	---	0.488	1962
1963	---	---	0.078	0.174	0.210	1.77	2.85	0.145	0.068	0.002	---	---	0.824	1963
1964	---	---	0	0.471	1.18	0.182	0	0	0	0	---	---	0.424	1964
1965	---	---	0.459	2.63	0.630	1.58	1.21	0.208	0.383	0.258	---	---	0.812	1965
1966	---	---	0.145	0.886	1.50	2.94	0.646	0.288	0.095	0.157	---	---	0.827	1966
1967	---	---	0.893	1.83	5.82	5.54	0.575	0.128	0.052	0.089	---	---	1.83	1967
1968	---	---	0.326	0.488	0.531	0.798	0.278	0.288	0.809	0.781	---	---	0.508	1968
1969	---	---	0.706	4.14	2.36	5.83	8.97	0.348	0.178	0.208	---	---	2.59	1969
1970	---	---	0.184	0.714	1.41	2.88	0.523	0.081	0.070	0.116	---	---	0.718	1970
1971	---	---	0.174	1.86	0.824	1.47	0.183	0.026	0.044	0.088	---	---	0.600	1971
1972	---	---	0.868	1.82	2.70	0.871	0.285	0.212	0.188	0.333	---	---	0.812	1972
1973	---	---	0.377	1.16	2.23	1.16	0.188	0.052	0.058	0.083	---	---	0.880	1973
1974	---	---	0.533	1.53	4.15	1.41	0.284	0.188	0.242	0.243	---	---	1.07	1974
1975	---	---	0.003	1.02	4.33	3.00	1.02	0.284	0.184	0.221	---	---	1.38	1975
1976	---	---	0.551	0.788	0.628	0.402	0.108	1.51	0.288	0.188	---	---	0.582	1976
1977	---	---	0.328	0.589	0.414	0.100	0.045	0.171	0.180	0.140	---	---	0.238	1977
1978	---	---	1.11	1.07	2.36	1.55	0.788	0.302	0.287	0.135	---	---	0.849	1978
1979	---	---	0.686	1.68	2.37	0.821	0.274	0.087	0.014	0.107	---	---	0.781	1979
1980	---	---	0.271	1.64	0.758	1.11	0.144	0.153	0.188	0.226	---	---	0.643	1980
1981	---	---	0.387	0.330	4.27	2.64	0.852	0.413	0.188	0.182	---	---	1.16	1981
1982	---	---	0.011	0.742	0.493	1.44	0.493	0.116	0.110	0.114	---	---	0.436	1982
1983	---	---	0.232	0.770	0.598	0.284	0.068	0.034	0.038	0.059	---	---	0.280	1983
1984	---	---	0.163	0.148	0.108	0.085	0.004	0	0	0	---	---	0.083	1984
MEAN	---	---	0.428	1.41	2.30	2.39	0.823	0.333	0.311	0.249	---	---	0.941	MEAN

LOCATION - LAT 60 25 50 N LONG 114 09 55 W DRAINAGE AREA, 283 km^2 REGULATED SINCE 1966

STIMSON CREEK NEAR PEKISKO - STATION NO. 05BL007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	17.3 ON JUN 15	---	---	1912
1913	---	---	---	---	1913
1914	---	---	0 ON JUL 27 *	---	1914
1915	---	---	---	---	1915
1916	---	27.6 ON JUN 28	---	---	1916
1917	---	23.3 ON JUN 11	---	---	1917
1918	---	1.30 ON MAY 31	0 ON JUL 30	---	1918
1919	---	1.61 ON MAR 30	0 ON MAR 1	---	1919
1938	---	---	0 ON AUG 8	---	1938
1939	---	8.47 ON JUN 17	0 B ON MAR 1	7 840	1939
1940	---	2.83 ON APR 29	0 B ON MAR 1	8 820	1940
1941	---	3.71 ON JUN 2	0 ON JUL 21	---	1941
1942	---	57.5 ON MAY 11 *	---	---	1942
1943	---	24.2 E ON APR 2	0 B ON MAR 1	23 400	1943
1944	---	0.882 ON APR 1	0 B ON MAR 1	1 680	1944
1945	---	13.1 ON JUN 28	0 ON MAR 1	13 400	1945
1946	28.7 AT 20:00 MST ON JUN 6	25.5 ON JUN 6	0 B ON MAR 1	15 800	1946
1947	---	12.4 ON JUN 2	0.014 ON SEP 27	33 700	1947
1948	15.6 AT 17:30 MST ON APR 30	15.5 ON APR 30	0.034 ON SEP 24	44 800	1948
1949	---	5.35 ON APR 6	0 B ON MAR 1	5 820	1949
1950	---	4.15 B ON APR 15	0 B ON MAR 1	7 940	1950
1951	---	35.4 ON AUG 31	0 B ON MAR 1	86 100	1951
1952	25.5 AT 19:00 MST ON MAY 14	16.5 ON MAY 15	0 ON AUG 25	39 200	1952
1953	53.2 AT 08:00 MST ON JUN 8	48.7 ON JUN 10	0 B ON MAR 1	86 500	1953
1954	---	6.20 ON MAY 12	0 B ON MAR 16	19 800	1954
1955	---	20.5 ON MAY 19	0 B ON MAR 1	39 100	1955
1956	---	7.84 ON JUL 4	---	---	1956
1957	---	5.15 B ON APR 13	0.003 ON AUG 3	16 800	1957
1958	---	13.2 B ON APR 13	0 B ON MAR 19	25 800	1958
1959	5.54 AT 18:30 MST ON JUN 28	5.45 ON JUN 28	0.003 ON AUG 4	17 100	1959
1960	5.03 AT 08:00 MST ON MAY 2	5.10 ON MAY 3	0 B ON MAR 1	8 870	1960
1961	2.83 AT 01:00 MST ON MAY 17	2.27 ON MAY 17	0 ON MAR 1	3 040	1961
1962	---	6.03 A ON APR 4	0 B ON MAR 1	9 880	1962
1963	44.2 AT 10:00 MST ON JUN 30	32.5 ON JUN 30	0 ON SEP 7	13 200	1963
1964	5.85 AT 23:00 MST ON JUN 17	5.55 ON MAY 7	0 B ON MAR 1	8 880	1964
1965	---	7.80 ON JUN 30	0 B ON MAR 1	15 300	1965
1966	13.1 AT 10:00 MST ON JUN 11	8.75 ON JUN 11	0 B ON MAR 1	17 500	1966
1967	23.3 AT 08:00 MST ON MAY 31	19.5 ON MAY 31	0 B ON MAR 1	38 800	1967
1968	3.85 AT 04:36 MST ON JUN 8	2.83 ON JUN 8	0.089 ON JUL 18	10 700	1968
1969	81.4 AT 13:25 MST ON JUN 29 *	47.3 ON JUN 29	0.0578 ON MAR 1	54 700	1969
1970	30.0 AT 07:52 MST ON JUN 14	21.5 ON JUN 14	0.0068 ON MAR 1	15 200	1970
1971	12.6 AT 21:00 MST ON JUN 6	8.01 ON JUN 7	0 B ON MAR 1	12 700	1971
1972	14.6 AT 19:30 MST ON MAY 25	8.41 ON MAY 26	0.0118 ON MAR 1	19 300	1972
1973	13.9 AT 17:00 MST ON MAY 24	11.6 ON MAY 26	0 ON AUG 23	14 000	1973
1974	12.3 AT 02:30 MST ON MAY 20	9.26 ON MAY 20	0.0269 ON MAR 8	22 700	1974
1975	28.2 AT 14:00 MST ON JUN 20	21.7 ON JUN 20	0 B ON MAR 2	28 800	1975
1976	14.0 AT 07:00 MST ON AUG 8	10.0 ON AUG 8	0.013 ON JUL 25	12 300	1976
1977	---	2.12 B ON APR 8	0.014 ON JUL 7	5 070	1977
1978	8.81 AT 14:00 MST ON MAY 31	7.50 ON MAY 31	0.079 ON SEP 4	20 100	1978
1979	5.79 AT 15:00 MST ON JUL 5	3.89 ON MAY 5	0 ON SEP 18	15 900	1979
1980	14.2 B AT 08:00 MST ON APR 13	5.09 B ON APR 13	0.074 ON JUL 12	11 500	1980
1981	18.9 AT 12:00 MST ON JUN 14	14.0 ON JUN 14	0.111 ON OCT 3	24 500	1981
1982	6.35 AT 14:39 MST ON JUN 30	4.76 ON JUN 30	0.0018 ON MAR 1	8 220	1982
1983	5.13 AT 17:33 MST ON APR 25	3.26 ON APR 25	0 ON AUG 31	5 500	1983
1984	---	0.6808 ON MAR 25	0 ON JUL 3	1 330	1984
				19 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF029

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.344	0.517	0.527	0.375	0.313	---	---	---	1976
1977	---	---	---	0.175	0.241	0.800	1.22	1.00	0.606	0.384	---	---	---	1977
1978	---	---	3.42	1.81	0.530	0.442	1.14	1.48	1.53	0.437	---	---	1.38	1978
1979	---	---	3.25	0.715	0.694	0.644	0.940	0.751	0.841	0.482	---	---	1.00	1979
1980	---	---	0.228	0.179	0.385	0.609	1.17	1.28	0.887	0.478	---	---	0.824	1980
1981	---	---	0.201	0.080	0.648	0.743	1.03	0.753	0.887	0.397	---	---	0.578	1981
1982	---	---	0.148	1.19	0.219	0.921	1.54	0.916	0.593	0.885	---	---	0.773	1982
1983	---	---	0.158	0.178	0.328	1.02	0.985	1.43	0.505	0.518	---	---	0.841	1983
1984	---	---	0.054	0.082	0.468	1.35	1.38	1.23	0.899	0.401	---	---	0.710	1984
MEAN	---	---	1.07	0.550	0.428	0.753	1.10	1.04	0.724	0.480	---	---	0.811	MEAN

LOCATION - LAT 49 31 50 N
LONG 112 30 29 W
REGULATED

STIRLING LAKE OUTFLOW NEAR STIRLING - STATION NO. 05AF028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	---	1.73 ON JUN 30	---	---	1977
1978	---	13.1 B ON MAR 25	0 B ON MAR 1 *	26 600	1978
1979	---	15.5 B ON MAR 8 *	0 B ON MAR 1	21 200	1979
1980	2.67 AT 05:30 MST ON MAY 26	2.19 ON MAY 26	0 B ON MAR 1	13 200	1980
1981	4.04 AT 15:00 MST ON JUN 14	3.70 ON JUN 14	0.048 ON MAY 3	12 300	1981
1982	8.04 AT 19:50 MST ON APR 14 *	7.25 ON APR 14	0 B ON MAR 1	16 300	1982
1983	4.02 AT 20:50 MST ON AUG 10	3.20 ON AUG 10	0.050 ON MAR 31	13 600	1983
1984	3.98 AT 19:10 MST ON JUL 30	3.82 ON JUL 31	0.0238 ON MAR 8	15 000	1984
				17 200	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR SADDLE LAKE - STATION NO. 05ED001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	0.109	0.112	0.071	0.053	---	---	---	1972
1973	---	---	0.010	0.165	0.178	0.484	0.215	0.258	0.192	0.115	---	---	0.203	1973
1974	---	---	0.025	3.96	3.52	1.27	0.412	0.211	0.182	0.101	---	---	1.30	1974
1975	---	---	0.031	0.618	1.20	0.408	0.633	0.174	0.103	0.048	---	---	0.402	1975
1976	---	---	0.052	0.604	0.143	0.174	0.155	0.037	0.013	0.017	---	---	0.149	1976
MEAN	---	---	0.032	1.34	1.26	0.587	0.305	0.158	0.108	0.072	---	---	0.489	MEAN

LOCATION - LAT 54 01 26 N, LONG 111 41 54 W DRAINAGE AREA, 543 km^2, NATURAL FLOW

STONY CREEK NEAR SADDLE LAKE - STATION NO. 05ED001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	---	1.43 ON JUN 18	0.0088 ON MAR 1	4 280	1973
1974	---	14.9 ON APR 23 *	0.0238 ON MAR 21	25 400	1974
1975	---	2.24 ON MAY 1	0.0258 ON MAR 1	8 520	1975
1976	---	1.10 ON APR 11	0.001 ON OCT 7 *	3 180	1976
				10 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STONY CREEK NEAR TAWATINAW - STATION NO. 07BE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	0.008	1.03	0.170	0.048	0.191	0.131	0.026	0.004	---	---	0.199	1982
1983	---	---	0.035	0.238	0.084	0.186	0.268	0.048	0.010	0.130	---	---	0.124	1983
1984	---	---	0.071	0.080	0.054	0.298	0.028	0.002	0.030	0.085	---	---	0.077	1984
MEAN	---	---	0.038	0.449	0.103	0.177	0.161	0.060	0.022	0.085	---	---	0.133	MEAN

LOCATION - LAT 54 17 38 N, LONG 113 27 45 W DRAINAGE AREA, 128 km^2, NATURAL FLOW

STONY CREEK NEAR TAWATINAW - STATION NO. 07BE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	3.13B AT 20:52 MST ON APR 21 *	3.03 B ON APR 22 *	0.0018 ON MAR 1	4 330	1982
1983	1.21 AT 05:51 MST ON MAY 29	0.930B ON APR 8	0.0018 ON AUG 25	2 830	1983
1984	1.86 AT 14:49 MST ON JUN 8	1.17 ON JUN 8	0 ON AUG 9 *	1 840	1984
				2 830	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.058	0.223	---	---	---	1966
1967	---	---	0.022	4.76	0.783	0.732	0.053	0.074	0.003	0.003	---	---	0.791	1967
1968	---	---	3.80	0.135	0.049	0.014	0.010	0.039	0.045	0.045	---	---	0.523	1968
1969	---	---	0.009	7.39	0.505	0.064	0.057	0.052	0.083	0.072	---	---	1.01	1969
1970	---	---	0	4.90	0.232	0.141	0.055	0.038	0.031	0.039	---	---	0.667	1970
1971	---	---	0.008	11.6	0.309	0.623	1.73	0.083	0.005	0.020	---	---	1.77	1971
1972	---	---	1.49	6.88	0.699	0.263	0.102	0.053	0.030	0.046	---	---	1.18	1972
1973	---	---	0.690	5.09	1.05	2.52	5.11	0.195	0.071	0.135	---	---	1.85	1973
1974	---	---	0.073	24.5	2.84	0.748	4.31	0.182	0.067	0.078	---	---	4.05	1974
1975	---	---	0.001	3.21	1.03	0.127	0.081	0.031	0.022	0.009	---	---	0.557	1975
1976	---	---	0.070	2.30	0.072	0.024	0.017	0.372	0.036	0.007	---	---	0.357	1976
1977	---	---	0.204	1.11	8.21	0.482	0.057	0.032	0.039	0.065	---	---	1.03	1977
1978	---	---	1.87	1.28	0.783	0.797	1.76	0.139	2.65	0.338	---	---	1.20	1978
1979	---	---	2.54	4.64	2.03	0.351	0.122	0.094	0.042	0.050	---	---	1.23	1979
1980	---	---	0.025	5.57	0.112	8.57	1.18	0.429	1.27	0.727	---	---	2.20	1980
1981	---	---	3.27	1.26	1.49	1.18	1.28	0.386	0.030	0.057	---	---	1.12	1981
1982	---	---	0	13.0	0.953	0.067	8.90	0.174	0.101	0.299	---	---	3.05	1982
1983	---	---	1.19	3.84	0.462	0.806	2.48	0.183	0.031	0.050	---	---	1.07	1983
1984	---	---	1.10	0.544	0.729	1.30	0.022	0.002	0.567	0.458	---	---	0.586	1984
MEAN	---	---	0.909	5.66	1.13	1.03	1.57	0.141	0.273	0.143	---	---	1.35	MEAN

LOCATION - LAT 53 18 41 N DRAINAGE AREA, 584 km²
LONG 114 03 02 W NATURAL FLOW

STRAWBERRY CREEK NEAR THE MOUTH - STATION NO. 05DF004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	---	13.6 B ON APR 15	0.003 ON AUG 29	18 700	1967
1968	---	8.138 ON MAR 6	0.003 ON JUL 12	11 100	1968
1969	---	60.9 B ON APR 9	0 B ON MAR 1 *	21 400	1969
1970	---	30.6 B ON APR 6	0 B ON MAR 1	14 100	1970
1971	57.4B AT 23:00 MST ON APR 15	52.4 B ON APR 15	0 ON SEP 21	37 500	1971
1972	59.7 AT 22:30 MST ON APR 6	36.5 ON APR 7	0 B ON MAR 1	24 900	1972
1973	---	59.5 A ON JUL 2	0.014 ON MAY 19	39 100	1973
1974	122 AT 22:10 MST ON APR 19	102 ON APR 19	0.051 ON SEP 25	85 500	1974
1975	---	17.2 B ON APR 19	0 B ON MAR 1	11 800	1975
1976	---	18.3 B ON APR 7	0.002 ON JUL 6	7 550	1976
1977	74.8 AT 12:50 MST ON MAY 29	63.7 ON MAY 29	8.017 ON AUG 26	21 800	1977
1978	37.7 AT 03:00 MST ON JUL 12	25.4 ON JUL 12	0.0718 ON MAR 1	25 400	1978
1979	27.5 AT 00:30 MST ON APR 19	18.5 ON APR 19	0 B ON MAR 1	26 000	1979
1980	72.1 AT 01:45 MST ON JUN 28	57.2 ON JUN 28	0 B ON MAR 1	46 500	1980
1981	18.7 AT 21:00 MST ON MAR 14	12.7 B ON MAR 14	0.009 ON AUG 17	23 800	1981
1982	126 AT 10:50 MST ON JUL 5 *	116 ON JUL 5 *	0 B ON MAR 1	64 800	1982
1983	21.6 AT 01:45 MST ON JUL 3	15.6 ON JUL 3	0.020 ON OCT 1	22 700	1983
1984	---	8.88 ON JUN 9	0.003 ON AUG 16	12 400	1984
				28 500	MEAN

A - MANUAL GAUGE B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
(SEE REFERENCE INDEX)

STREET CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 05AD031

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	---	---	---	---	---	0.750	---	0.028	---	1947
1948	0.020	0.017	0.014	0.202	1.58	2.17	0.650	0.242	0.038	0.022	0.014	0.014	0.417	1948
1949	0.014	0.014	0.015	0.456	1.58	1.02	0.268	0.074	0.172	0.111	0.189	0.118	0.338	1949
1950	0.028	0.017	0.046	0.081	1.08	3.29	1.31	0.264	0.069	0.348	0.241	0.114	0.575	1950
1951	0.042	0.059	0.037	0.184	1.67	1.86	1.58	0.326	0.598	0.495	0.114	0.094	0.575	1951
1952	0.041	0.019	0.011	0.531	1.31	0.993	0.425	0.234	0.073	0.031	0.013	---	---	1952
1953	---	---	---	---	1.40	2.71	1.22	0.234	0.104	0.034	0.050	---	---	1953
1954	---	---	---	---	1.66	1.75	1.23	0.352	0.232	0.415	0.205	---	---	1954
1955	---	---	---	---	0.889	2.21	0.958	0.185	0.057	0.431	---	---	---	1955
MEAN	0.028	0.025	0.025	0.289	1.37	1.98	0.955	0.235	0.168	0.293	0.125	0.074	0.477	MEAN

LOCATION - LAT 48 59 20 N DRAINAGE AREA, 14.0 km² INTERNATIONAL GAUGING STATION
LONG 113 54 40 W NATURAL FLOW

STREET CREEK AT INTERNATIONAL BOUNDARY - STATION NO. 05AD031

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	---	---	---	1947
1948	---	3.54 ON MAY 23	0.011 ON NOV 5	13 200	1948
1949	2.66 AT 20:30 MST ON MAY 27	2.38 ON MAY 27	0.014 ON JAN 1	10 800	1949
1950	8.72E ON JUN 21	7.08E ON JUN 21 *	0.014E ON JAN 21	18 200	1950
1951	3.20 AT 20:30 MST ON JUL 1	3.06 ON JUN 25	0.028E ON JAN 21	16 100	1951
1952	---	2.27E ON MAY 20	0.006E ON NOV 25 *	---	1952
1953	12.4 AT 23:00 MST ON JUN 3 *	5.03 ON JUN 4	---	---	1953
1954	5.30E ON MAY 19	4.53E ON MAY 20	---	---	1954
1955	5.10E ON JUN 24	3.96E ON JUN 24	---	---	1955
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		15 000	MEAN

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	0.025	0.010	0.004	0.003	0.003	0.001	---	1966
1967	0.001	0.002	0.007	0.008	0.113	0.161	0.027	0.008	0.002	0.002	0.002	0.001	0.041	1967
1968	0.003	0.001	0.002	0.003	0.004	0.010	0.010	0.007	0.009	0.028	0.021	0.011	0.009	1968
1969	0.008	0.004	0.004	0.074	0.078	0.093	0.137	0.014	0.005	0.004	0.003	0.001	0.051	1969
1970	0	0	0	0.005	0.018	0.041	0.021	0.005	0.003	0.002	0.001	0	0.012	1970
1971	0	0	0.001	0.005	0.007	0.019	0.010	0.002	0.002	0.001	---	---	0.006	1971
1972	0	0	0.004	0.009	0.081	0.053	0.011	0.005	0.004	0.004	0.004	0.004	0.019	1972
1973	---	---	0.002	0.006	0.059	0.052	0.011	0.004	0.002	0.002	---	---	0.017	1973
1974	---	---	0.002	0.005	0.046	0.064	0.014	0.005	0.002	0.003	---	---	0.023	1974
1975	---	---	---	0.007	0.068	0.112	0.043	0.011	0.005	0.004	---	---	---	1975
1976	---	---	---	0.005	0.017	0.015	0.006	0.023	0.013	0.005	---	---	---	1976
1977	---	---	0.001	0.004	0.003	0.002	0.001	0.001	0.001	0.001	---	---	0.002	1977
1978	---	---	0.001	0.003	0.074	0.098	0.014	0.008	0.004	0.004	---	---	0.025	1978
1979	---	---	---	0.005	0.059	0.025	0.008	0.004	0.002	0.001	---	---	---	1979
1980	---	---	0.003	0.010	0.002	0.003	0.003	0.002	0.002	0.001	---	---	0.003	1980
1981	---	---	0.001	0.001	0.086	0.072	0.024	0.013	0.006	0.004	---	---	0.027	1981
1982	---	---	0.018	0.028	0.003	0.013	0.024	0.006	0.003	0.002	---	---	0.012	1982
1983	---	---	0.003	0.005	0.008	0.013	0.001	0.002	0.001	0.001	---	---	0.005	1983
1984	---	---	0.002	0.004	0.002	0.002	0	0	0	0	---	---	0.001	1984
MEAN	0.002	0.001	0.003	0.011	0.043	0.047	0.021	0.007	0.004	0.004	0.003	0.003	0.017	MEAN

LOCATION - LAT 50 07 24 N, LONG 114 03 20 W DRAINAGE AREA, 5.95 km^2, NATURAL FLOW

STREETER CREEK (MAIN STEM) NEAR NANTON - STATION NO. 05AB030

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	0.311 AT 05:00 MST ON JUN 3	0.282 ON MAY 23	0.001 ON MAR 4	881	1967
1968	---	0.031 ON OCT 7	0.001 ON MAR 13	195	1968
1969	0.450 AT 20:30 MST ON JUN 30 *	0.402 ON JUN 30 *	0.003 ON MAR 24	1 080	1969
1970	---	0.583 ON JUN 30	0 B ON MAR 1 *	252	1970
1971	0.040 AT 05:00 MST ON JUN 6	0.027 ON JUN 6	0 B ON MAR 1	125	1971
1972	0.153 AT 05:30 MST ON AUG 23	0.136 ON MAY 30	0 B ON MAR 1	398	1972
1973	0.119 AT 02:50 MST ON JUN 2	0.110 ON MAY 30	0.001B ON MAR 1	383	1973
1974	0.263 AT 21:20 MST ON MAY 22	0.256 ON MAY 24	0 B ON MAR 1	480	1974
1975	0.232 AT 13:30 MST ON JUN 22	0.215 ON JUN 23	0 B ON APR 1	---	1975
1976	0.255 AT 19:00 MST ON AUG 5	0.057 ON AUG 5	---	---	1976
1977	0.040 AT 17:30 MST ON JUL 7	0.013 ON APR 4	0 ON JUL 24	41.0	1977
1978	0.277 AT 10:30 MST ON JUN 1	0.303 ON JUN 1	0 B ON MAR 1	539	1978
1979	0.208 AT 10:30 MST ON MAY 15	0.196 ON MAY 15	---	---	1979
1980	0.109B AT 14:30 MST ON APR 6	0.034 ON APR 14	0 B ON MAR 10	68.5	1980
1981	0.272 AT 22:00 MST ON MAY 24	0.256 ON MAY 20	0 ON APR 16	569	1981
1982	0.193 AT 14:26 MST ON APR 10	0.153 ON APR 10	0 B ON MAR 1	284	1982
1983	0.180 AT 01:10 MST ON MAY 8	0.020 ON JUN 3	0.001B ON MAR 1	103	1983
1984	0.009 AT 03:11 MST ON MAY 16	0.005B ON APR 2	0 B ON MAR 1	23.5	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		357	MEAN

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	---	OR	OR	---	---	---	1978
1979	---	---	0.005R	0.491R	0.010R	0.004R	0.080R	0.190R	OR	OR	---	---	0.097R	1979
1980	---	---	0.001R	0.346R	0 R	0 R	0 R	0 R	OR	OR	---	---	0.042R	1980
1981	---	---	0.493	0.082	0	0	0.082	0.010	0	0	---	---	0.063	1981
1982	---	---	0	0.151	0.007	0	0.012	0	0	0	---	---	0.021	1982
1983	---	---	0	0.182	0.003	0.001	0.001	0	0	0	---	---	0.023	1983
1984	---	---	0.455	0.482	0.003	0.006	0.001	0	0	0	---	---	0.115	1984
MEAN	---	---	0.156R	0.267R	0.004R	0.002R	0.026R	0.033R	OR	OR	---	---	0.064	MEAN

LOCATION - LAT 53 27 13 N, LONG 110 19 31 W DRAINAGE AREA, 82.1 km^2, NATURAL FLOW

R - REVISED SINCE JAN 1980

STRETTON CREEK NEAR MARWAYNE - STATION NO. 05EE005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	3.70R AT 07:55 MST ON AUG 8 *	2.70 R ON APR 18	ORB ON MAR 1 *	2 050R	1979
1980	1.78R AT 12:30 MST ON APR 5	1.18 R ON APR 8	ORB ON MAR 1	898R	1980
1981	2.94 AT 09:50 MST ON MAR 18	2.38 B ON MAR 28	OB ON MAR 1	1 750	1981
1982	---	0.6888 ON APR 22	OB ON MAR 1	444	1982
1983	---	0.9178 ON APR 4	OB ON MAR 1	484	1983
1984	---	4.40 B ON MAR 30 *	OB ON MAR 1	2 430	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		1 340R	MEAN

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1913	---	---	---	---	8.80	3.32	4.94	---	---	3.44	2.90	1.51	---	1913
1914	0.871	0.918	1.04	4.71	3.88	27.1	21.7	6.87	2.86	3.77	2.98	1.91	8.89	1914
1915	1.78	1.84	4.60	10.4	3.70	18.5	18.8	4.72	3.04	3.68	---	---	8.13	1915
1916	---	---	---	---	5.08	2.72	2.25	2.28	2.77	3.10	---	---	---	1916
1917	---	---	---	---	13.5	9.09	5.82	3.17	2.38	2.55	---	---	---	1917
1918	---	---	---	---	5.02	4.95	2.18	0.885	0.752	0.797	---	---	---	1918
1919	---	---	---	4.62	3.74	2.13	0.609	0.329	0.084	0.054	---	---	---	1919
1920	---	---	---	---	---	---	---	1.73	1.47	1.26	---	---	---	1920
1921	---	---	---	7.22	4.00	1.84	0.963	0.001	0	0	---	---	---	1921
1922	---	---	---	0.673	2.37	0.718	0.080	0.123	0.043	0.045	---	---	---	1922
1923	---	---	0	1.30	1.39	---	---	---	---	---	---	---	---	1923
1924	---	---	---	1.52	1.21	---	---	---	---	---	---	---	---	1924
1925	---	---	---	19.6	13.7	---	---	---	---	---	---	---	---	1925
1926	---	---	2.05	3.85	3.39	---	---	---	---	---	---	---	---	1926
1927	---	---	1.28	16.1	25.5	16.8	12.5	9.11	8.20	6.84	---	---	12.0	1927
1976	---	---	0.580	9.21	2.89	0.861	0.491	1.04	0.935	0.609	---	---	2.03	1976
1977	---	---	0.653	8.00	5.25	5.76	2.17	1.12	1.68	3.37	---	---	3.24	1977
1978	---	---	1.35	9.73	3.81	1.44	0.916	0.882	1.85	3.19	---	---	2.86	1978
1979	---	---	3.87	15.0	11.8	5.14	3.00	2.11	1.78	1.71	---	---	5.53	1979
1980	---	---	0.284	8.54	4.02	1.90	1.95	2.08	3.14	3.58	---	---	3.17	1980
1981	---	---	4.65	17.0	5.09	1.38	0.929	0.804	0.801	0.833	---	---	3.88	1981
1982	---	---	0.078	7.27	21.4	5.35	5.75	4.68	4.89	4.10	---	---	6.70	1982
1983	---	---	1.12	5.30	2.78	2.34	8.76	2.37	0.778	0.675	---	---	3.02	1983
1984	---	---	0.667	3.16	1.08	0.954	0.276	0.087	0.289	0.460	---	---	0.885	1984
MEAN	1.21	1.13	1.57	7.97	6.64	5.89	4.85	2.22	1.98	2.19	2.94	1.71	5.01	MEAN

LOCATION - LAT 53 38 05 N
LONG 113 37 33 W

DRAINAGE AREA, 2 550 km^2
NATURAL FLOW

STURGEON RIVER AT ST. ALBERT - STATION NO. 05EA002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1913	---	---	---	---	1913
1914	---	42.2 ON JUN 16 *	0.7938 ON MAR 1	184 000	1914
1915	---	27.2 ON JUN 18	1.61 B ON MAR 1	172 000	1915
1916	---	15.5 ON APR 16	---	---	1916
1917	---	26.0 ON APR 22	---	---	1917
1918	---	12.3 ON APR 12	---	---	1918
1919	---	8.218 ON APR 14	---	---	1919
1920	---	---	---	---	1920
1921	---	14.7 B ON APR 13	0 ON JUL 26 *	---	1921
1922	---	3.45 ON MAY 4	0 ON JUL 14	---	1922
1923	---	3.118 ON APR 30	0 B ON MAR 1	---	1923
1924	---	4.058 ON APR 23	0 B ON APR 1	---	1924
1925	---	37.4 ON APR 24	0 B ON APR 1	---	1925
1926	---	5.84 ON APR 14	0.3408 ON MAR 1	---	1926
1927	---	30.9 ON MAY 13	0.9128 ON MAR 1	254 000	1927
1976	---	13.3 A ON APR 12	0.187 ON JUL 26	43 000	1976
1977	---	9.49 ON APR 13	0.4648 ON MAR 4	88 800	1977
1978	13.2 AT 14:00 MST ON APR 11	13.1 ON APR 11	0.547 ON AUG 14	80 400	1978
1979	18.0 AT 12:35 MST ON APR 26	17.8 ON APR 26	1.37 B ON MAR 1	117 000	1979
1980	14.8 AT 16:00 MST ON APR 15	14.7 ON APR 16	0.1628 ON MAR 5	87 000	1980
1981	23.4 AT 17:20 MST ON APR 4	23.3 ON APR 4	0.381 ON JUL 5	82 200	1981
1982	33.8 AT 11:15 MST ON APR 29 *	32.9 ON MAY 1	0.0288 ON APR 1	142 000	1982
1983	12.4 AT 21:50 MST ON JUL 5	11.9 ON JUL 3	0.400 ON OCT 21	63 800	1983
1984	---	5.298 ON APR 4	0.058 ON AUG 28	18 700	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		106 000	MEAN

STURGEON RIVER NEAR DARWELL - STATION NO. 05EA003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	0.302	3.36	2.93	1.44	1.47	1.21	---	---	---	1914
1915	---	---	---	0.770	0.630	4.39	2.45	1.43	1.28	1.08	---	---	1.71	1915
1928	---	---	---	---	2.49	1.25	0.837	0.298	0.217	0.204	---	---	---	1928
1929	---	---	---	0.408	0.471	0.151	0.034	0.002	0.003	0	---	---	0.152	1929
1930	---	---	---	0.155	0.207	0.303	0.238	0.023	0.022	0.030	---	---	0.140	1930
1931	---	---	---	---	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	---	0.444	0.820	1.89	1.30	0.838	0.594	0.507	---	---	0.887	MEAN

LOCATION - LAT 53 39 45 N
LONG 114 37 03 W

DRAINAGE AREA, 322 km²
NATURAL FLOW

STURGEON RIVER NEAR DARWELL - STATION NO. 05EA003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	8.41 ON JUN 8 *	---	---	1914
1915	---	7.84 ON JUN 11	0.566 ON MAY 20	31 700	1915
1928	---	2.97 ON MAY 4	---	---	1928
1929	---	0.583 ON MAY 25	0 E ON AUG 10 *	2 820	1929
1930	---	0.566 ON JUN 30	0 ON AUG 24	2 580	1930
1931	---	---	0 B ON APR 1	---	1931
				12 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO. 05EA001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	0.778	0.690	1.08	5.09	3.72	31.2	25.9	5.97	3.32	3.95	3.42	1.94	9.99	1914
1915	1.84	1.84	2.54	15.0	4.43	19.7	16.6	5.13	3.30	3.81	4.25	2.46	5.15	1915
1916	1.87	1.84	2.05	10.4	4.94	2.45	2.34	2.25	2.75	3.30	2.17	0.841	3.79	1916
1917	0.617	0.759	0.544	14.1	15.8	10.4	5.12	3.45	3.56	3.31	2.51	1.47	7.13	1917
1918	0.831	0.814	0.850	8.33	5.32	4.50	2.73	1.73	1.08	1.33	1.42	0.812	3.20	1918
1919	0.172	0.182	0.207	5.12	4.05	2.37	0.810	0.408	0.357	0.637	0.948	0.529	1.73	1919
1920	0.511	0.231	0.334	4.98	26.0	17.8	8.62	1.87	1.42	1.75	1.10	0.804	7.83	1920
1921	0.573	0.658	0.557	7.50	4.02	1.80	1.17	0.787	0.539	0.511	0.283	0.147	2.11	1921
1922	0.137	0.115	0.254	0.992	2.83	0.917	0.337	0.486	0.492	0.367	0.183	0.024	0.807	1922
1923	0.001	0	0.113	1.42	1.91	---	---	---	---	---	---	---	---	1923
1927	---	---	---	---	---	---	---	---	---	---	---	2.13	---	1927
1928	0.885	0.941	---	---	10.9	5.21	3.11	2.14	2.02	2.80	1.37	0.818	---	1928
1929	0.763	0.648	0.858	2.77	4.51	1.22	0.835	0.348	0.278	0.318	0.441	0.338	1.37	1929
1930	0.252	0.288	0.384	2.55	1.21	0.613	0.232	0.180	0.188	0.267	0.228	0.145	0.670	1930
1931	0.011	0.068	0.082	1.28	1.52	---	---	---	---	---	---	---	---	1931
1935	---	---	---	8.59	26.3	9.48	4.56	3.44	3.09	4.98	---	---	---	1935
1936	---	---	0.885	29.7	47.7	21.4	6.58	1.82	1.22	1.34	---	---	13.7	1936
1937	---	---	0.689	7.03	2.75	0.784	0.607	0.628	0.864	0.805	---	---	1.73	1937
1938	---	---	0.978	8.70	3.53	0.805	0.123	0.181	0.131	0.181	---	---	1.77	1938
1939	---	---	0.254	3.04	1.93	0.731	0.174	0.080	0.038	0.081	---	---	0.781	1939
1940	---	---	0.013	17.7	19.3	1.67	0.385	0.373	0.334	0.330	---	---	5.00	1940
1941	---	---	0.384	3.54	0.928	0.331	0.178	0.143	0.140	0.172	---	---	0.717	1941
1942	---	---	0.094	1.13	0.588	0.885	0.870	0.870	0.708	0.844	---	---	0.624	1942
1943	---	---	0.113	30.1	15.8	3.70	2.93	2.04	1.85	1.81	---	---	7.25	1943
1944	---	---	1.41	9.88	3.40	18.8	23.1	8.68	5.11	4.76	---	---	9.38	1944
1945	---	---	2.03	4.54	2.78	1.52	0.532	0.253	0.282	0.395	---	---	1.53	1945
1946	---	---	0.395	7.75	1.88	0.318	0.318	0.192	0.284	0.262	---	---	1.42	1946
1947	---	---	1.03	8.46	2.19	0.207	0.178	0.191	0.281	0.678	---	---	1.38	1947
1948	---	---	0.113	11.7	60.5	17.4	4.25	1.19	0.852	1.31	---	---	12.2	1948
1949	---	---	0.398	5.88	2.04	0.303	0.078	0.115	0.178	0.214	---	---	1.11	1949
1950	---	---	0.224	1.88	2.70	0.480	0.171	0.201	0.093	0.108	---	---	0.727	1950
1951	---	---	0.080	4.25	5.75	1.10	0.433	0.281	0.282	0.336	---	---	1.70	1951
1952	---	---	---	21.5	5.71	1.81	1.84	1.42	1.25	1.21	---	---	---	1952
1953	---	---	0.391	3.84	11.8	5.36	2.16	24.7	12.3	3.93	---	---	8.05	1953
1954	---	---	1.82	2.06	7.93	21.8	13.0	8.73	12.7	8.12	---	---	8.48	1954
1955	---	---	2.05	8.31	12.8	4.88	2.68	1.98	1.48	1.74	---	---	4.48	1955
1956	---	---	0.005	20.5	24.6	8.52	2.69	1.54	2.00	1.93	---	---	7.43	1956
1957	---	---	1.72	7.02	4.40	0.818	0.532	0.358	0.322	0.861	---	---	1.97	1957
1958	---	---	0.728	18.6	5.26	0.944	0.358	0.152	0.230	0.428	---	---	2.45	1958
1959	---	---	1.26	4.21	1.26	0.187	0.207	0.311	0.334	0.705	---	---	1.05	1959
1960	---	---	0.948	7.65	2.23	0.983	1.03	1.16	1.57	1.78	---	---	2.15	1960
1961	---	---	2.38	10.6	2.26	0.314	0.248	0.196	0.261	0.327	---	---	2.08	1961
1962	---	---	0.638	12.7	10.3	2.41	0.670	0.993	1.16	0.203	---	---	3.80	1962
1963	---	---	1.14	12.6	10.9	4.87	0.954	0.701	0.770	0.803	---	---	4.08	1963
1964	---	---	0.110	3.20	2.36	0.618	0.074	0.047	0.053	0.210	---	---	0.831	1964
1965	---	---	0.088	13.5	19.8	8.44	29.4	13.5	7.83	5.63	---	---	12.3	1965
1966	---	---	1.48	19.3	7.95	2.87	0.872	0.711	1.15	1.30	---	---	4.39	1966
1967	---	---	0	4.10	13.1	1.87	0.479	0.332	0.278	0.278	---	---	2.86	1967
1968	---	---	4.05	2.81	0.884	0.088	0.088	0.310	0.118	0.088	---	---	1.01	1968
1969	---	---	0	8.40	4.24	0.808	0.138	0.213	0.476	0.803	---	---	1.98	1969
1970	---	---	0.148	17.7	7.80	0.777	0.245	0.818	0.840	0.880	---	---	3.85	1970
1971	---	---	0.014	17.7	21.1	3.83	10.0	12.5	5.47	3.28	---	---	9.22	1971
1972	---	---	0.451	26.3	21.1	7.27	3.32	1.87	1.42	1.10	---	---	7.80	1972
1973	---	---	0.733	7.98	3.51	1.43	1.45	0.828	0.885	1.03	---	---	2.23	1973
1974	---	---	0.418	38.1	54.1	18.6	32.0	18.3	8.04	4.28	---	---	21.8	1974
1975	---	---	0.686	7.10	11.3	3.11	3.94	2.49	3.02	1.85	---	---	4.18	1975
1976	---	---	0.250	9.30	3.07	0.831	0.417	0.830	0.870	0.538	---	---	1.89	1976
1977	---	---	0.864	8.38	4.07	4.61	2.27	1.24	1.58	2.68	---	---	3.18	1977
1978	---	---	2.27	10.1	4.30	1.62	0.988	1.20	2.72	2.57	---	---	3.19	1978
1979	---	---	4.17	18.0	14.3	8.10	3.41	2.16	1.78	1.88	---	---	8.45	1979
1980	---	---	0.330	8.75	4.89	2.44	1.80	2.23	2.98	3.82	---	---	3.48	1980
1981	---	---	7.08	20.4	8.23	1.52	1.08	0.978	0.561	0.811	---	---	4.78	1981
1982	---	---	0.170	11.4	23.9	5.48	5.26	5.03	4.22	4.51	---	---	7.60	1982
1983	---	---	1.08	8.15	3.06	3.86	11.0	2.88	0.788	0.713	---	---	3.86	1983
1984	---	---	1.02	4.08	1.19	1.81	0.313	0.124	0.227	0.588	---	---	1.13	1984
MEAN	0.638	0.612	0.831	10.1	9.76	4.81	4.00	2.63	1.84	1.84	1.52	0.938	4.47	MEAN

LOCATION - LAT 53 47 16 N DRAINAGE AREA, 3 350 km²
LONG 113 13 23 W NATURAL FLOW

STURGEON RIVER NEAR FORT SASKATCHEWAN - STATION NO. 05EA001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	51.8 ON JUN 22	0.8068 ON MAR 9	212 000	1914
1915	---	30.6 ON JUN 23	1.56 B ON MAR 3	195 000	1915
1916	---	17.0 B ON APR 18	1.66 ON JUN 22	60 100	1916
1917	---	31.4 ON APR 24	0.3798 ON MAR 14	151 000	1917
1918	---	18.4 B ON APR 14	0.5368 ON MAR 5	87 700	1918
1919	---	10.8 B ON APR 15	0.1448 ON MAR 1	36 800	1919
1920	---	28.9 ON MAY 14	0.1428 ON MAR 1	181 000	1920
1921	---	17.0 B ON APR 13	0.436 ON OCT 19	64 800	1921
1922	---	3.828 ON APR 29	0.1428 ON MAR 1	17 100	1922
1923	---	3.208 ON MAY 4	0 B ON MAR 1 *	---	1923
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	8.69 ON APR 27	0.212 ON SEP 19	29 000	1929
1930	---	4.36 ON APR 15	0.0988 ON OCT 19	16 200	1930
1931	---	---	0 B ON MAR 12	---	1931
1935	---	32.8 ON MAY 4	---	---	1935
1936	---	58.0 ON APR 25	0.1138 ON MAR 4	291 000	1936
1937	---	8.238 ON APR 17	0 B ON MAR 12	38 600	1937
1938	---	20.3 ON APR 15	0.051 ON AUG 1	37 500	1938
1939	---	5.24 ON APR 22	0.020 ON SEP 8	16 500	1939
1940	---	47.3 ON APR 21	0 B ON MAR 8	108 000	1940
1941	---	12.6 B ON APR 11	0.0288 ON MAR 1	15 200	1941
1942	---	3.998 ON APR 22	0.0288 ON MAR 8	13 400	1942
1943	---	54.4 ON APR 15	0.0288 ON MAR 1	153 000	1943
1944	---	38.5 ON JUN 28	0.3118 ON MAR 1	199 000	1944
1945	---	5.478 ON APR 9	0.122 ON AUG 18	32 400	1945
1946	---	13.7 ON APR 12	0.102 ON AUG 3	30 000	1946
1947	---	10.5 ON APR 16	0.093 ON JUL 8	29 400	1947
1948	---	69.8 ON MAY 7	0.1138 ON MAR 1	258 000	1948
1949	---	13.8 ON APR 13	0.034 ON JUL 15	23 500	1949
1950	---	8.74 ON APR 24	0 ON SEP 10	18 400	1950
1951	---	11.4 ON MAY 3	0 B ON MAR 3	38 000	1951
1952	---	29.4 ON APR 15	---	---	1952
1953	---	33.4 ON AUG 14	0.2278 ON MAR 11	170 000	1953
1954	31.1 AT 04:00 MST ON JUN 19	26.9 ON JUN 19	0.8238 ON APR 8	200 000	1954
1955	---	18.3 B ON APR 12	0.8508 ON MAR 4	94 500	1955
1956	---	51.3 ON APR 30	0 B ON MAR 1	157 000	1956
1957	---	14.0 B ON APR 19	0.0858 ON MAR 1	41 700	1957
1958	63.7 B AT 17:00 MST ON APR 7 *	42.2 B ON APR 7	0.042 ON SEP 12	73 000	1958
1959	15.0 B AT 10:30 MST ON APR 4	13.5 B ON APR 4	0.0288 ON MAR 1	22 200	1959
1960	---	14.1 B ON APR 10	0 B ON MAR 1	45 500	1960
1961	20.8 B AT 11:15 MST ON MAR 30	18.9 B ON MAR 30	0.048 ON JUL 14	43 700	1961
1962	---	25.2 ON APR 23	0.020 ON OCT 10	76 200	1962
1963	---	17.5 ON APR 24	0.241 ON OCT 31	88 400	1963
1964	---	10.6 B ON APR 21	0 B ON MAR 1	17 800	1964
1965	---	37.1 ON JUL 11	0.0288 ON MAR 1	280 000	1965
1966	---	36.8 ON APR 8	0.439 ON JUL 27	92 900	1966
1967	---	22.4 B ON MAY 1	0 B ON MAR 1	54 200	1967
1968	---	8.528 ON MAR 14	0.006 ON JUN 10	21 400	1968
1969	---	16.4 B ON APR 11	0 B ON MAR 1	41 900	1969
1970	---	27.3 ON APR 19	0.0858 ON MAR 1	75 200	1970
1971	---	51.0 ON APR 28	0.0118 ON MAR 21	195 000	1971
1972	---	44.5 ON APR 22	0.1568 ON MAR 1	185 000	1972
1973	---	12.1 B ON APR 11	0.1228 ON MAR 1	47 200	1973
1974	---	116 ON APR 27 *	0.3968 ON MAR 1	482 000	1974
1975	---	21.1 ON APR 25	0.5838 ON MAR 1	88 700	1975
1976	---	13.5 B ON APR 8	0.0598 ON MAR 1	42 200	1976
1977	---	21.7 B ON APR 10	0.5558 ON MAR 1	87 500	1977
1978	---	21.0 B ON APR 11	0.883 ON JUL 23	87 500	1978
1979	---	32.3 B ON APR 18	1.87 ON SEP 8	137 000	1979
1980	---	18.7 B ON APR 15	0.2828 ON MAR 1	73 800	1980
1981	29.8 AT 12:30 MST ON APR 3	29.8 ON APR 3	0.413 ON SEP 2	102 000	1981
1982	51.8 AT 21:00 MST ON APR 23	42.1 ON APR 24	0.1208 ON MAR 30	159 000	1982
1983	22.0 AT 03:50 MST ON JUL 7	17.7 ON JUL 7	0.368 ON SEP 25	77 500	1983
1984	9.52 AT 03:00 MST ON APR 6	8.418 ON APR 6	0.029 ON SEP 5	24 000	1984
				94 600	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR MACHOLIA BRIDGE - STATION NO. 05EA010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	---	---	---	---	0.144R	0.048R	0.080R	---	---	---	1981
1982	---	---	0	2.85	0.805	0.068	2.83	0.138	0.103	0.070	---	---	0.616	1982
1983	---	---	0.031	1.44	0.108	0.172	0.778	0.036	0.018	0.058	---	---	0.327	1983
1984	---	---	0.374	0.209	0.884	0.443	0.017	0.004	0.078	0.090	---	---	0.260	1984
MEAN	---	---	0.135	1.63	0.525	0.224	1.14	0.081R	0.081R	0.077R	---	---	0.488	MEAN

LOCATION - LAT 53 35 29 N DRAINAGE AREA, 121 km^2
LONG 114 51 35 W NATURAL FLOW

R - REVISED SINCE JAN 1980

STURGEON RIVER NEAR MAGNOLIA BRIDGE - STATION NO. 05EA010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	---	---	---	1981
1982	22.9 AT 01:50 MST ON JUL 5 *	18.9 ON JUL 5 *	0 B ON MAR 1 *	17 300	1982
1983	6.76 AT 19:25 MST ON APR 8	4.739 ON APR 2	0.0028 ON MAR 1	6 920	1983
1984	4.29 AT 13:35 MST ON MAY 17	3.33 ON MAY 17	0 ON SEP 2	5 500	1984
				9 910	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR ONOWAY - STATION NO. 05EA004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	1.43	3.81	2.18	1.29	1.57	2.19	---	---	---	1914
1915	---	---	---	2.83	1.88	3.07	1.84	1.57	2.14	2.82	---	---	2.30	1915
1928	---	---	---	---	4.05	2.83	2.13	1.08	0.611	0.480	---	---	---	1928
1929	---	---	---	0.870	0.888	0.531	0.192	0.003	0	0	---	---	0.327	1929
1930	---	---	---	0.012	0.009	0.019	0.014	---	---	---	---	---	---	1930
1931	---	---	---	0.050	---	---	---	---	---	---	---	---	---	1931
MEAN	---	---	---	0.841	1.88	2.01	1.27	0.981	1.08	1.39	---	---	1.31	MEAN

LOCATION - LAT 53 43 58 N DRAINAGE AREA, 738 km^2
LONG 114 18 17 W NATURAL FLOW

STURGEON RIVER NEAR ONOWAY - STATION NO. 05EA004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	13.8 ON JUN 9 *	---	---	1914
1915	---	8.88 ON JUN 10	1.42 ON AUG 10	42 600	1915
1928	---	4.59 ON MAY 5	---	---	1928
1929	---	1.58 ON MAY 25	0 ON AUG 9 *	6 040	1929
1930	---	0.065 ON JUN 28	0 B ON APR 1	---	1930
1931	---	---	0 ON APR 1	---	1931
				24 300	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1914	---	---	---	---	2.16	22.5	9.25	2.44	2.47	3.15	---	---	---	1914
1915	---	---	---	---	2.50	21.0	7.47	2.86	2.87	3.53	---	---	---	1915
1928	---	---	---	---	7.87	2.70	2.47	1.15	0.861	0.898	---	---	---	1928
1929	---	---	---	---	---	0.812	0.485	0.247	0.127	0.195	---	---	---	1929
1930	---	---	---	1.29	0.450	0.412	0.815	0.245	0.174	0.185	---	---	---	1930
1968	---	---	---	---	0.071	0.078	0.020	0.019	---	---	---	---	---	1968
1969	---	---	0.052	7.73	0.311	0.046	0.021	1.15	1.23	0.430	---	---	---	1969
1970	---	---	0.065	13.5	0.438	0.292	0.737	1.04	0.109	0.123	---	---	---	1970
1971	---	---	0.161	24.0	2.24	0.930	15.4	4.42	2.84	2.81	1.80	1.49	---	1971
1972	0.722	0.811	1.46	24.2	8.36	3.90	1.60	0.830	0.636	0.628	0.415	0.198	3.84	1972
1973	0.059	0.040	0.788	3.14	1.14	1.43	1.52	0.649	0.535	0.574	0.452	0.302	0.858	1973
1974	0.312	0.260	0.231	44.5	25.5	12.7	28.8	5.84	3.26	1.82	1.23	0.778	10.4	1974
1975	0.823	0.780	0.701	8.73	3.59	2.05	3.74	1.61	2.86	0.982	0.582	0.220	2.03	1975
1976	0.345	0.558	0.641	5.89	1.44	0.823	0.422	0.768	0.418	0.157	0.230	0.192	0.975	1976
1977	0.183	0.278	0.388	3.79	3.53	4.35	1.33	1.35	2.36	2.99	1.55	1.09	1.93	1977
1978	1.03	0.880	2.46	4.79	2.04	1.78	0.879	0.795	2.67	1.22	2.15	2.66	1.96	1978
1979	2.12	1.85	4.24	10.1	5.44	3.86	2.99	2.28	1.29	1.05	0.549	0.329	3.09	1979
1980	0.315	0.413	0.464	6.06	1.58	2.31	1.98	2.32	2.51	1.83	1.32	1.09	1.84	1980
1981	1.08	1.04	7.40	8.07	1.87	1.08	0.787	0.821	0.202	0.428	0.292	0.184	1.84	1981
1982	0.187	0.330	0.501	16.4	8.57	2.53	5.93	2.65	3.48	2.91	1.52	1.25	3.93	1982
1983	1.04	0.892	1.22	2.57	1.54	8.53	3.18	0.755	0.389	0.188	0.176	0.173	1.55	1983
1984	0.183	0.177	1.15	1.00	1.11	1.05	0.164	0.020	0.209	0.438	0.557	0.544	0.548	1984
MEAN	0.828	0.848	1.36	10.8	3.83	4.23	4.13	1.84	1.82	1.25	0.922	0.751	2.87	MEAN

LOCATION - LAT 53 39 18 N DRAINAGE AREA, 1 810 km^2
LONG 113 46 42 W NATURAL FLOW

STURGEON RIVER NEAR VILLENEUVE - STATION NO. 05EA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1914	---	40.8 E ON JUN 12	---	---	1914
1915	---	50.7 ON JUN 13	---	---	1915
1928	---	10.5 E ON MAY 9	---	---	1928
1929	---	---	---	---	1929
1930	---	1.988 ON APR 6	---	---	1930
1968	---	---	0 ON JUN 6 *	---	1968
1969	---	33.1 B ON APR 12	---	---	1969
1970	84.9 AT 00:49 MST ON APR 11	48.4 ON APR 11	---	---	1970
1971	100 AT 22:30 MST ON APR 21	98.0 ON APR 21	---	---	1971
1972	89.7 AT 21:30 MST ON APR 16	56.9 ON APR 16	0.1028 ON DEC 31	115 000	1972
1973	12.78 AT 04:00 MST ON APR 2	9.348 ON APR 2	0.0288 ON MAR 11	28 000	1973
1974	138 AT 15:40 MST ON APR 21 *	138 ON APR 22 *	0.1428 ON MAR 31	328 000	1974
1975	---	26.5 B ON APR 22	0.1428 ON DEC 17	63 900	1975
1976	---	15.9 A ON APR 6	0.085 ON OCT 16	30 800	1976
1977	16.8 AT 08:00 MST ON APR 9	15.1 ON APR 9	0.1678 ON JAN 10	61 000	1977
1978	13.38 AT 08:40 MST ON APR 4	10.8 B ON APR 4	0.381 ON AUG 28	61 700	1978
1979	18.8 AT 02:15 MST ON APR 24	18.5 ON APR 23	0.2788 ON DEC 31	97 400	1979
1980	39.5 AT 04:10 MST ON APR 13	30.4 B ON APR 13	0.2588 ON JAN 6	58 300	1980
1981	---	33.6 ON MAR 30	0.036 ON SEP 19	61 000	1981
1982	77.6 AT 18:30 MST ON APR 26	77.2 ON APR 26	0.1408 ON JAN 1	124 000	1982
1983	29.8 IN JUN	29.0 E ON JUN 26	0.122 ON OCT 1	48 800	1983
1984	---	4.788 ON MAR 28	0.003 ON OCT 2	17 300	1984
				84 300	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	---	---	---	---	0.736	0.684	---	---	---	1972
1973	---	---	0.377	1.61	3.28	2.01	0.788	0.587	0.607	0.717	---	---	1.22	1973
1974	---	---	0.442	1.71	8.24	1.34	1.38	0.673	0.553	0.463	---	---	1.48	1974
1975	---	---	0.220	0.581	1.09	0.802	1.67	0.388	0.230	0.217	---	---	0.649	1975
1976	---	---	0.211	1.15	0.800	0.525	0.431	1.02	0.648	0.382	---	---	0.803	1976
1977	---	---	0.206	0.756	3.18	1.88	1.83	1.38	2.28	1.89	---	---	1.81	1977
1978	---	---	0.435	1.28	1.82	3.00	2.07	1.32	2.05	0.890	---	---	1.82	1978
1979	---	---	0.308	0.812	1.83	2.00	2.78	1.24	0.328	0.578	---	---	1.18	1979
1980	---	---	0.329	1.68	1.18	5.21	2.27	1.27	1.30	0.788	---	---	1.74	1980
1981	---	---	0.421	0.771	1.48	1.11	0.470	0.488	0.364	0.358	---	---	0.881	1981
1982	---	---	0.152	0.480	3.78	1.26	8.84	2.88	1.61	1.31	---	---	2.26	1982
1983	---	---	0.231	0.783	0.755	1.26	2.37	0.887	0.385	0.368	---	---	0.852	1983
1984	---	---	0.316	1.20	2.07	0.673	0.326	0.127	2.04	0.758	---	---	0.958	1984
MEAN	---	---	0.304	1.04	2.18	1.78	1.88	1.00	0.991	0.728	---	---	1.24	MEAN

LOCATION - LAT 53 33 58 N, LONG 116 42 12 W
DRAINAGE AREA, 188 km^2
NATURAL FLOW

SUNDANCE CREEK NEAR BICKERDIKE - STATION NO. 07AF010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	---	---	---	1972
1973	5.85 AT 23:50 MST ON MAY 29	5.30 ON MAY 29	0.3378 ON MAR 17	26 800	1973
1974	10.0 AT 04:00 MST ON MAY 14	9.71 ON MAY 14	0.3408 ON MAR 1	31 200	1974
1975	5.61 AT 10:30 MST ON JUL 1	5.52 ON JUL 1	0.184 ON SEP 15	13 700	1975
1976	2.94 AT 10:50 MST ON APR 14	2.34 ON APR 13	0.1788 ON MAR 8	12 800	1976
1977	5.98 AT 19:50 MST ON MAY 8	5.68 ON MAY 8	0.1848 ON MAR 22	24 100	1977
1978	5.52 AT 11:00 MST ON JUN 17	5.36 ON JUN 17	0.3638 ON MAR 1	24 200	1978
1979	8.13 AT 04:40 MST ON JUL 15	8.08 ON JUL 15	0.2308 ON MAR 1	25 100	1979
1980	8.88 AT 19:00 MST ON JUN 27	8.64 ON JUN 27	0.3618 ON MAR 1	35 800	1980
1981	2.24 AT 11:25 MST ON JUN 2	2.21 ON JUN 2	0.248 ON AUG 24	14 400	1981
1982	17.3 AT 12:00 MST ON JUL 16 *	15.6 ON JUL 8 *	0.1108 ON MAR 1	47 900	1982
1983	4.34 AT 23:40 MST ON JUL 4	4.20 ON JUL 5	0.1858 ON MAR 1	16 000	1983
1984	5.40 AT 18:10 MST ON SEP 23	5.30 ON SEP 23	0.064 ON AUG 21 *	20 300	1984
				26 200	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO 07AA007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1948	---	---	---	---	---	2.01	4.52	4.40	---	---	---	---	---	1948
1950	---	---	---	---	---	---	5.95	4.81	2.28	---	---	---	---	1950
1951	---	---	---	---	---	1.04	5.68	3.81	1.38	---	---	---	---	1951
1952	---	---	---	---	---	1.08	1.86	2.97	2.08	---	---	---	---	1952
1953	---	---	---	---	---	2.02	4.92	4.85	1.88	0.483	---	---	---	1953
1954	---	---	---	---	---	1.85	4.32	3.83	1.57	0.242	---	---	---	1954
1955	---	---	---	---	---	1.87	5.13	4.57	2.33	---	---	---	---	1955
1956	---	---	---	---	0.403	2.85	5.01	5.09	2.20	---	---	---	---	1956
1957	---	---	---	---	---	1.02	1.92	2.97	2.10	---	---	---	---	1957
1958	---	---	---	---	0.787	1.36	5.00	5.75	1.87	0.371	---	---	2.54	1958
1959	---	---	---	---	---	1.85	4.74	3.09	1.18	---	---	---	---	1959
1960	---	---	---	---	0.138	1.52	5.83	3.85	1.48	0.321	---	---	2.20	1960
1961	---	---	---	---	0.440	4.09	5.41	5.62	1.38	0.841	---	---	2.83	1961
1962	---	---	---	---	---	2.18	4.08	4.04	1.34	0.350	---	---	---	1962
1963	---	---	---	---	---	---	4.59	4.71	3.78	0.945	---	---	---	1963
1964	---	---	---	---	---	---	5.84	3.28	1.21	0.527	---	---	---	1964
1965	---	---	---	---	---	2.44	4.57	5.83	0.581	0.345	---	---	---	1965
1966	---	---	---	---	0.481	2.00	4.49	4.31	3.08	0.674	---	---	2.50	1966
1967	---	---	---	---	---	2.48	4.69	5.31	3.95	0.536	---	---	---	1967
1968	---	---	---	---	0.178	1.94	4.95	3.47	1.93	0.386	---	---	2.08	1968
1969	---	---	---	---	---	3.46	4.08	4.28	1.78	---	---	---	---	1969
1970	---	---	---	---	---	3.82	5.77	5.07	1.17	0.288	---	---	---	1970
1971	---	---	---	---	0.295	2.01	4.02	5.10	1.80	0.508	---	---	2.41	1971
1972	---	---	---	---	---	2.88	3.46	5.36	1.38	0.340	---	---	---	1972
1973	---	---	---	---	---	1.81	---	3.73	1.85	0.227	---	---	---	1973
1974	---	---	---	---	0.148	2.03	3.78	4.19	1.74	0.515	---	---	2.09	1974
1975	---	---	---	---	0.188	1.23	5.43	3.23	1.22	0.273	---	---	2.10	1975
1976	---	---	---	---	---	1.17	3.88	---	---	0.418	---	---	---	1976
1977	---	---	---	---	0.218	2.83	3.67	4.35	0.887	0.108	---	---	2.01	1977
1978	---	---	---	---	0.147	2.33	5.90	4.12	2.88	0.340	---	---	2.58	1978
1979	---	---	---	---	0.277	2.06	5.09	4.73	2.41	0.890	---	---	2.85	1979
1980	---	---	---	---	0.927	2.85	4.40	2.84	1.45	0.756	---	---	2.18	1980
1981	---	---	---	---	0.925	1.48	4.90	5.44	2.53	0.180	---	---	2.75	1981
1982	---	---	---	---	0.174	3.10	4.63	4.25	2.82	0.389	---	---	2.59	1982
1983	---	---	---	---	0.615	2.60	4.29	4.89	1.02	0.278	---	---	2.25	1983
1984	---	---	---	---	0.104	2.43	4.35	5.06	1.82	0.829	---	---	2.38	1984
MEAN	---	---	---	---	0.385	2.15	4.88	4.41	1.87	0.445	---	---	2.38	MEAN

LOCATION - LAT 52 13 00 N DRAINAGE AREA, 29.8 km²
LONG 117 13 57 W NATURAL FLOW

SUNWAPTA RIVER AT ATHABASCA GLACIER - STATION NO 07AA007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1948	13.5 AT 18:00 MST ON JUL 15	9.05 ON JUL 15	---	---	1948
1950	12.2 AT 17:00 MST ON JUL 26	9.29 ON JUL 26	---	---	1950
1951	11.8 AT 18:20 MST ON JUL 18	9.40 ON JUL 18	---	---	1951
1952	7.25 AT 21:00 MST ON AUG 13	5.49 ON AUG 13	---	---	1952
1953	13.6 AT 18:00 MST ON JUL 14	11.9 ON JUL 14	---	---	1953
1954	8.30 AT 17:00 MST ON JUL 19	6.85 ON JUL 19	---	---	1954
1955	15.3 AT 18:00 MST ON JUL 17 *	12.0 ON JUL 15 *	---	---	1955
1956	12.5 AT 09:30 MST ON JUL 24	9.71 ON JUL 22	---	---	1956
1957	8.66 AT 20:00 MST ON SEP 8	5.86 ON SEP 7	---	---	1957
1958	10.8 AT 18:00 MST ON JUL 21	9.12 ON JUL 22	0.1138 ON MAY 1	40 300	1958
1959	11.8 AT 17:00 MST ON JUL 24	10.2 ON JUL 24	---	---	1959
1960	10.8 AT 17:00 MST ON JUL 19	8.78 ON JUL 19	0.0288 ON MAY 1	34 900	1960
1961	10.9 AT 17:00 MST ON JUL 21	9.34 ON JUL 21	0.0 E ON MAY 1 *	46 800	1961
1962	8.35 AT 17:00 MST ON AUG 1	6.71 ON JUL 26	---	---	1962
1963	10.3 AT 18:00 MST ON AUG 13	8.68 ON AUG 13	---	---	1963
1964	10.2 AT 21:00 MST ON JUL 13	8.64 ON JUL 15	---	---	1964
1965	---	8.68 ON AUG 10	---	---	1965
1966	8.95 AT 18:00 MST ON JUL 30	7.56 ON JUL 30	0.0428 ON MAY 1	39 700	1966
1967	8.52 AT 18:30 MST ON AUG 13	8.04 ON SEP 2	---	---	1967
1968	9.83 AT 04:19 MST ON JUN 27	8.85 ON JUL 12	0.0 E ON MAY 1	33 000	1968
1969	7.76 AT 16:44 MST ON JUL 24	6.31 ON AUG 21	---	---	1969
1970	9.83 AT 17:20 MST ON JUL 15	8.55 ON JUL 8	---	---	1970
1971	11.3 AT 16:25 MST ON AUG 2	9.37 ON AUG 8	0.0148 ON MAY 13	38 300	1971
1972	10.1 AT 17:30 MST ON AUG 9	8.33 ON AUG 9	---	---	1972
1973	---	---	---	---	1973
1974	10.1 AT 18:20 MST ON AUG 5	8.47 ON AUG 5	0.0488 ON MAY 4	33 100	1974
1975	12.3 AT 17:30 MST ON JUL 11	10.7 ON JUL 25	0.0288 ON MAY 1	33 400	1975
1976	7.93 AT 19:00 MST ON AUG 6	6.77 ON AUG 3	---	---	1976
1977	8.04 AT 18:00 MST ON AUG 13	6.88 ON AUG 12	0.0388 ON MAY 1	32 000	1977
1978	11.8 AT 18:30 MST ON SEP 4	11.1 ON SEP 4	0.0188 ON MAY 1	41 100	1978
1979	10.3 AT 18:00 MST ON JUL 30	8.26 ON JUL 21	0.074 ON MAY 12	40 800	1979
1980	10.3 AT 18:05 MST ON JUL 23	9.45 ON JUL 23	0.124 ON OCT 30	34 300	1980
1981	11.9 AT 18:10 MST ON AUG 15	9.82 ON AUG 12	0.100E ON OCT 30	43 600	1981
1982	12.2 AT 13:50 MST ON SEP 8	10.5 ON SEP 8	0.020E ON MAY 1	41 200	1982
1983	11.7 AT 18:15 MST ON JUL 12	9.39 ON JUL 12	0.052E ON MAY 1	36 600	1983
1984	10.2 AT 17:50 MST ON JUL 26	8.18 ON JUL 26	0.024E ON MAY 1	37 900	1984
				37 900	MEAN

E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	25.9	22.2	5.39	3.80	3.04	---	---	---	1915
1916	---	---	---	---	28.7	23.5	33.0	4.24	2.01	3.12	---	---	---	1916
1917	---	---	---	---	187	14.9	5.36	7.13	1.28	1.32	---	---	---	1917
1981	---	---	---	---	---	---	57.0	3.88	1.83	2.83	---	---	---	1981
1982	---	---	0.317	35.2	70.9	22.7	27.6	8.32	5.80	4.23	---	---	---	1982
1983	---	---	0.840	80.6	88.3	21.5	16.9	18.4	9.15	3.10	---	---	---	1983
1985	---	---	0.788	18.6	47.9	40.8	22.0	37.4	34.0	8.08	---	---	---	1985
1986	---	---	0.803	16.8	38.7	12.8	10.5	16.1	7.16	2.78	---	---	---	1986
1987	---	---	0.686	3.38	80.1	16.1	3.14	1.89	0.675	0.815	---	---	---	1987
1988	---	---	0.830	8.32	22.2	32.3	8.02	8.20	7.51	5.36	---	---	---	1988
1989	---	---	0.358	26.3	14.0	3.81	4.91	5.30	30.9	13.4	---	---	---	1989
1970	---	---	0.809	21.2	38.6	33.1	26.8	8.73	8.07	5.52	4.10	1.27	---	1970
1971	0.778	0.827	1.13	37.3	24.0	80.4	78.8	8.74	3.58	3.03	1.83	0.802	20.0	1971
1972	0.486	0.407	1.10	18.0	84.3	51.1	18.4	11.0	8.88	7.88	3.18	1.34	15.3	1972
1973	1.31	0.487	0.818	14.1	84.3	80.7	18.8	17.0	8.04	9.81	5.18	2.13	15.1	1973
1974	1.23	1.28	0.977	83.2	71.4	12.8	37.7	7.84	7.27	6.99	2.80	1.43	17.1	1974
1975	1.08	0.858	0.780	14.2	28.4	47.7	34.8	25.2	18.5	5.72	2.78	0.802	15.2	1975
1976	0.847	1.27	0.822	33.8	21.4	27.1	37.1	84.6	21.7	8.59	4.27	1.82	18.7	1976
1977	1.81	1.78	1.84	31.3	83.7	33.5	44.0	8.84	7.38	7.78	3.12	0.888	18.1	1977
1978	0.437	0.328	0.817	22.5	33.0	29.0	11.8	9.21	42.8	8.89	3.81	2.10	13.7	1978
1979	0.836	0.780	1.83	12.9	73.8	82.4	73.2	8.84	3.10	2.38	1.34	0.702	20.3	1979
1980	0.418	0.183	0.149	16.2	18.4	17.8	18.0	18.8	27.4	7.88	3.37	0.818	10.0	1980
1981	0.883	1.11	1.87	17.7	20.8	28.0	13.8	2.37	1.82	2.88	1.88	0.424	7.48	1981
1982	0.201	0.213	0.137	8.22	47.1	7.82	30.7	30.8	4.04	2.47	0.817	0.387	11.2	1982
1983	0.178	0.134	0.183	8.42	7.87	89.0	88.8	13.8	8.14	8.07	5.07	0.898	17.2	1983
1984	0.431	0.830	1.08	10.3	28.8	45.8	16.2	8.88	14.8	8.87	2.88	1.44	11.0	1984
MEAN	0.784	0.898	0.809	21.4	44.8	31.8	29.4	13.7	11.1	5.34	2.97	1.18	14.8	MEAN

LOCATION - LAT 55 19 00 N DRAINAGE AREA, 1 800 km²
LONG 115 24 30 W NATURAL FLOW

SWAN RIVER NEAR KINUSO - STATION NO. 07BJ001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	88.0 ON JUN 6	---	---	1915
1916	---	88.0 ON JUL 7	---	---	1916
1917	---	493 ON MAY 17 *	---	---	1917
1981	351 E ON JUL 1	214 ON JUL 8	---	---	1981
1982	188 AT 17:00 MST ON MAY 20	185 ON MAY 20	---	---	1982
1983	---	150 ON APR 27	---	---	1983
1985	---	195 ON JUN 28	---	---	1985
1986	116 AT 13:15 MST ON AUG 29	73.8 ON MAY 8	---	---	1986
1987	91.5 AT 13:00 MST ON MAY 18	86.8 ON MAY 18	---	---	1987
1988	162 AT 15:30 MST ON JUN 13	180 ON JUN 13	---	---	1988
1989	187 AT 05:00 MST ON SEP 8	165 ON SEP 8	---	---	1989
1970	213 AT 18:00 MST ON JUN 29	185 ON JUN 28	---	---	1970
1971	334 AT 11:30 MST ON JUL 4	323 ON JUL 4	0.3988 ON FEB 7	831 000	1971
1972	232 A AT 23:30 MST ON JUN 18	192 A ON JUN 18	0.3408 ON MAR 2	488 000	1972
1973	180 AT 08:30 MST ON JUN 17	178 ON JUN 17	0.2688 ON FEB 15	478 000	1973
1974	267 A AT 03:00 MST ON JUL 14	235 A ON JUL 13	0.8678 ON MAR 23	840 000	1974
1975	343 A AT 00:30 MST ON JUN 29	314 A ON JUN 29	0.8388 ON FEB 12	479 000	1975
1976	294 AT 04:00 MST ON AUG 28	268 ON AUG 28	0.7898 ON JAN 4	891 000	1976
1977	218 AT 09:30 MST ON JUL 7	198 ON JUL 7	0.4818 ON DEC 8	808 000	1977
1978	226 AT 08:00 MST ON SEP 18	218 ON SEP 18	0.2138 ON FEB 15	430 000	1978
1979	382 A AT 00:30 MST ON JUL 2	348 A ON JUL 2	0.4038 ON MAR 8	840 000	1979
1980	93.8 AT 03:00 MST ON SEP 18	83.7 ON SEP 18	0.0868 ON MAR 5 *	318 000	1980
1981	97.2 AT 08:30 MST ON JUL 23	87.4A ON JUL 23	0.2638 ON DEC 31	238 000	1981
1982	200 AT 14:00 MST ON AUG 4	183 ON AUG 4	0.1238 ON MAR 20	353 000	1982
1983	483 AT 15:30 MST ON JUN 28 *	441 A ON JUN 28	0.1188 ON FEB 28	843 000	1983
1984	257 AT 13:30 MST ON JUN 8	248 ON JUN 8	0.3028 ON JAN 12	348 000	1984
				470 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	2.33	1.42	1.33	0.888	---	---	---	1970
1971	---	---	0.234	1.88	3.22	8.86	10.2	1.86	0.777	0.583	---	---	3.18	1971
1972	---	---	0.376	0.428	7.83	4.87	1.74	1.13	1.18	1.02	---	---	2.35	1972
1973	---	---	0.180	0.838	8.47	6.14	2.32	2.48	1.22	0.857	---	---	2.27	1973
1974	---	---	0.203	1.48	7.48	2.41	4.88	0.830	0.824	0.909	---	---	2.37	1974
1975	---	---	0.182	0.888	2.28	4.74	2.88	2.88	2.30	2.09	---	---	2.28	1975
1976	---	---	0.130	2.81	3.88	3.88	3.73	7.88	2.31	1.13	---	---	3.17	1976
1977	---	---	0.207	2.28	8.81	3.28	8.18	0.821	0.888	0.858	---	---	2.48	1977
1978	---	---	0.188	1.48	3.78	3.48	2.88	1.33	8.88	1.88	---	---	2.48	1978
1979	---	---	0.233	0.311	8.47	8.47	8.71	0.748	0.678	0.358	---	---	2.81	1979
1980	---	---	0.847	2.74	2.27	1.77	1.77	1.27	2.82	0.804	---	---	1.88	1980
1981	---	---	0.212	1.14	2.27	2.81	2.22	0.478	0.427	0.448	---	---	1.28	1981
1982	---	---	0.107	0.883	7.13	1.88	8.28	3.18	0.878	0.348	---	---	2.88	1982
1983	---	---	0.041	1.18	0.880	4.44	18.7	2.48	1.38	0.837	---	---	2.78	1983
1984	---	---	0.183	1.18	8.83	8.88	2.74	1.88	1.88	0.744	---	---	2.38	1984
MEAN	---	---	0.178	1.38	4.83	4.88	4.42	2.84	1.88	0.883	---	---	2.41	MEAN

LOCATION - LAT 54 48 08 N DRAINAGE AREA, 188 km²
LONG 116 28 12 W NATURAL FLOW

SWAN RIVER NEAR SWAN HILLS - STATION NO. 07BJ003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	20.4 AT 09:00 MST ON JUN 28	18.3 ON JUN 16	---	---	1970
1971	84.4 AT 15:30 MST ON JUL 3 *	55.6 ON JUL 3 *	0.0938 ON MAR 31	87 500	1971
1972	23.6 AT 02:00 MST ON MAY 14	20.0 ON MAY 14	0.0488 ON APR 18	49 600	1972
1973	28.8 AT 18:30 MST ON JUN 28	18.1 ON JUN 16	0.0768 ON MAR 3	48 100	1973
1974	57.8 AT 00:30 MST ON JUL 13	43.0 ON JUL 13	0.1708 ON MAR 15	50 200	1974
1975	52.7 AT 00:01 MST ON JUN 28	38.2 ON JUN 28	0.1428 ON MAR 7	47 800	1975
1976	67.7 AT 01:30 MST ON AUG 27	44.2 ON AUG 27	0.0888 ON MAR 6	87 100	1976
1977	34.8 AT 21:30 MST ON JUL 8	19.8 ON JUL 7	0.1788 ON MAR 24	52 100	1977
1978	36.1 AT 17:00 MST ON SEP 17	27.7 ON SEP 17	0.1448 ON MAR 8	52 000	1978
1979	71.8A AT 00:30 MST ON JUN 14	54.1 ON JUL 2	0.1178 ON APR 2	55 400	1979
1980	12.8 AT 07:30 MST ON SEP 17	10.6 ON APR 26	0.0238 ON MAR 4	35 500	1980
1981	13.0 AT 20:30 MST ON JUL 22	10.2 ON JUL 22	0.1408 ON MAR 23	26 700	1981
1982	78.4 AT 07:00 MST ON JUL 15	39.6 ON JUL 15	0.0848 ON MAR 6	54 500	1982
1983	83.9 AT 20:30 MST ON JUL 8	35.3 ON JUL 21	0.0058 ON MAR 1 *	56 300	1983
1984	38.3 AT 18:45 MST ON JUN 7	31.9 ON JUN 7	0.1308 ON MAR 1	49 700	1984
				51 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFTCURRENT CREEK AT MANY GLACIER - STATION NO. 05AE032

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	11.9	5.81	3.59	2.48	1.88	---	---	---	1912
1913	---	---	---	---	9.06	18.5	8.95	5.43	3.19	2.76	2.03	1.58	---	1913
1914	---	---	---	3.77	10.4	10.2	---	---	---	---	---	---	---	1914
1915	---	---	---	---	---	8.88	9.80	5.34	4.33	3.55	2.38	2.24	---	1915
1916	---	---	1.63	2.35	7.83	21.5	14.7	5.85	5.77	1.70	1.72	1.28	---	1916
1917	---	---	---	0.834	9.80	17.3	11.4	4.08	2.87	2.30	1.58	1.98	---	1917
1918	5.01	1.28	1.43	4.50	12.8	15.6	5.77	4.62	2.43	2.45	1.30	0.885	4.98	1918
1919	1.20	1.00	0.930	3.58	12.2	9.82	4.77	3.03	1.84	1.01	1.19	1.23	3.48	1919
1920	1.21	1.01	0.818	---	---	18.3	11.8	4.30	4.38	2.98	---	---	---	1920
1921	1.07	---	---	---	---	18.2	6.07	3.80	1.70	2.18	---	---	---	1921
1922	---	---	---	---	9.83	14.7	6.28	3.43	1.88	0.918	---	---	---	1922
1923	---	---	---	---	11.2	14.8	7.67	3.84	1.83	1.81	---	---	---	1923
1924	---	---	---	1.32	11.4	12.5	6.98	3.70	1.53	1.24	---	---	---	1924
1925	---	---	---	---	18.3	18.8	8.85	4.22	2.73	1.70	---	---	---	1925
1926	---	---	---	---	8.24	8.47	4.11	2.88	4.08	4.58	---	---	---	1926
1927	---	---	---	---	7.83	20.8	10.9	4.89	8.48	4.83	---	---	---	1927
1926	---	---	---	---	18.8	13.4	10.4	3.43	1.95	5.81	---	---	---	1926
1929	---	---	---	---	9.18	11.7	5.46	2.89	1.28	1.23	---	---	---	1929
1930	---	---	---	---	8.80	10.7	5.80	2.87	1.74	1.27	---	---	---	1930
1931	---	---	---	---	12.8	8.44	4.08	2.88	2.31	1.20	---	---	---	1931
1932	---	---	---	---	13.2	14.4	8.15	2.87	1.38	1.88	---	---	---	1932
1933	---	---	---	---	8.38	23.2	8.84	3.83	2.48	5.80	---	---	---	1933
1934	---	---	---	8.82	17.3	11.7	5.23	2.88	1.21	1.27	---	---	---	1934
1935	---	---	---	---	10.1	13.4	7.47	2.93	1.88	---	---	---	---	1935
1936	---	---	---	---	15.5	11.2	4.28	2.17	1.18	0.748	---	---	---	1936
1937	---	---	---	---	11.0	17.0	8.13	2.46	1.33	1.78	---	---	---	1937
1938	---	---	---	4.84	13.0	14.5	8.77	2.38	1.80	1.52	---	---	---	1938
1939	---	---	---	---	12.8	8.04	5.98	2.82	1.48	0.918	---	---	---	1939
1940	---	---	0.808	2.77	10.7	8.48	3.81	1.88	2.52	1.87	---	---	---	1940
1941	---	---	0.883	3.82	8.47	7.58	4.12	1.87	3.84	3.80	---	---	---	1941
1942	---	---	0.812	4.04	8.48	11.8	7.58	3.08	2.28	1.28	---	---	---	1942
1943	---	---	0.434	5.11	8.85	14.8	10.2	3.10	1.88	1.47	---	---	---	1943
1944	---	---	0.408	1.97	8.28	7.24	3.22	2.72	2.20	1.88	---	---	---	1944
1945	---	---	0.821	0.978	11.8	13.8	6.58	2.37	2.82	2.48	3.22	---	---	1945
1946	---	---	0.913	4.15	13.1	12.8	7.78	2.88	2.11	2.78	---	---	---	1946
1947	---	---	---	3.47	13.0	12.8	7.71	3.29	2.73	8.88	---	---	---	1947
1948	---	---	0.374	2.12	12.1	17.8	8.58	3.18	1.38	1.00	---	---	---	1948
1949	---	---	0.482	3.27	12.3	8.87	4.87	2.43	3.01	1.92	3.30	---	---	1949
1950	---	---	---	1.20	8.48	15.0	13.0	4.70	2.08	8.73	---	---	---	1950
1951	---	---	---	2.82	12.8	12.4	11.1	3.88	5.14	5.38	---	---	---	1951
1952	---	---	---	---	8.88	8.85	6.04	3.40	1.80	0.758	---	---	---	1952
1953	---	---	---	---	10.8	18.7	11.8	4.22	1.82	0.928	---	---	---	1953
1954	---	---	---	1.38	12.8	15.6	14.3	5.58	4.08	4.28	2.87	---	---	1954
1955	---	---	---	---	5.80	15.7	10.2	3.48	1.88	5.38	---	---	---	1955
1956	---	---	---	---	12.2	14.7	8.33	3.88	2.13	3.38	---	---	---	1956
1957	---	---	0.781	1.82	15.7	12.4	4.78	2.23	1.27	1.80	---	---	---	1957
1958	---	---	0.713	1.88	14.8	11.1	4.82	2.70	2.84	3.08	2.31	1.80	---	1958
1959	1.83	0.885	0.888	3.38	8.88	17.4	8.18	3.78	8.84	5.88	1.84	1.23	5.12	1959
1960	0.487	0.818	0.888	2.84	7.47	15.2	7.27	3.03	1.81	1.14	1.14	0.711	3.87	1960
1961	0.888	1.07	0.883	2.88	12.2	18.8	8.38	2.88	1.78	3.33	1.18	0.881	4.10	1961
1962	0.488	0.748	0.388	4.31	8.83	11.8	4.82	3.08	1.88	3.28	2.77	1.88	3.88	1962
1963	0.738	1.72	0.748	1.87	8.73	15.8	7.70	2.88	1.81	1.34	1.38	0.847	3.84	1963
1964	0.808	0.488	0.373	0.882	8.71	21.8	8.18	3.17	3.38	4.24	1.48	0.833	4.80	1964
1965	0.871	0.771	0.840	2.87	8.08	18.4	7.82	3.83	2.38	2.88	1.82	1.03	4.13	1965
1966	0.743	0.482	0.898	2.84	10.8	12.8	7.04	2.88	2.03	---	---	---	---	1966
MEAN	1.22	0.907	0.718	2.88	11.0	14.0	7.48	3.33	2.81	2.82	1.85	1.21	4.18	MEAN

LOCATION - LAT 48 48 10 N, LONG 113 38 20 W DRAINAGE AREA, 80.8 km^2 NATURAL FLOW INTERNATIONAL GAUGING STATION

SWIFTCURRENT CREEK AT MANY GLACIER - STATION NO. 05AE033

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	32.6 ON MAY 26	---	---	1913
1914	---	19.3 ON JUN 4	---	---	1914
1915	---	17.0 ON MAY 8	---	---	1915
1916	43.9 ON JUN 17	43.0 ON JUN 17	---	---	1916
1917	---	32.8 ON JUN 9	---	---	1917
1918	---	35.4 ON JUN 10	0.783 ON DEC 30	187 000	1918
1919	---	26.8 ON MAY 27	0.651 ON JAN 14	110 000	1919
1920	---	27.4 ON JUN 16	0.538 ON MAR 7	---	1920
1921	30.9 AT 08:00 MST ON MAY 25	30.3 ON MAY 26	---	---	1921
1922	23.9 AT 04:00 MST ON MAY 20	22.7 ON MAY 20	---	---	1922
1923	23.1 AT 00:00 MST ON JUN 1	21.8 ON JUN 11	---	---	1923
1924	21.8 ON MAY 16	21.8 ON MAY 16	---	---	1924
1925	29.7 AT 07:00 MST ON MAY 22	29.2 ON MAY 22	---	---	1925
1926	13.9 AT 01:00 MST ON MAY 5	13.2 ON MAY 5	---	---	1926
1927	31.1 ON JUN 8	30.0 ON JUN 8	---	---	1927
1928	31.7 AT 09:00 MST ON MAY 23	31.4 ON MAY 23	---	---	1928
1929	25.0 AT 09:00 MST ON MAY 24	24.1 ON MAY 24	---	---	1929
1930	25.7A ON MAY 20	25.1A ON MAY 20	---	---	1930
1931	31.4 AT 01:30 MST ON MAY 17	29.4 ON MAY 16	---	---	1931
1932	38.5 AT 11:00 MST ON MAY 22	35.4 ON MAY 22	---	---	1932
1933	38.5 AT 06:00 MST ON JUN 17	36.8 ON JUN 16	---	---	1933
1934	36.2 AT 21:00 MST ON JUN 7	28.6 ON JUN 8	---	---	1934
1935	30.3 AT 21:00 MST ON MAY 23	28.9 ON MAY 23	---	---	1935
1936	28.4 AT 21:00 MST ON MAY 16	28.7 ON MAY 15	---	---	1936
1937	53.7 AT 15:30 MST ON JUN 13	50.4 ON JUN 13	---	---	1937
1938	32.0 AT 05:00 MST ON MAY 27	30.0 ON MAY 28	---	---	1938
1939	30.0 AT 03:00 MST ON MAY 30	28.2 ON MAY 30	---	---	1939
1940	19.7 AT 02:30 MST ON MAY 12	18.2 ON MAY 12	---	---	1940
1941	14.2 AT 10:00 MST ON MAY 18	13.5 ON MAY 18	---	---	1941
1942	29.4 AT 07:30 MST ON JUN 8	28.1 ON JUN 8	---	---	1942
1943	46.2 AT 08:00 MST ON JUN 18	41.9 ON JUN 18	---	---	1943
1944	14.3 AT 00:00 MST ON MAY 17	14.1 ON MAY 17	---	---	1944
1945	23.9 AT 10:15 MST ON JUN 22	23.0 ON JUN 1	---	---	1945
1946	22.6 AT 04:30 MST ON MAY 28	21.8 ON MAY 28	---	---	1946
1947	---	25.0 ON OCT 19	---	---	1947
1948	35.4 AT 10:00 MST ON JUN 4	33.7 ON JUN 4	---	---	1948
1949	21.5 AT 05:00 MST ON MAY 28	20.3 ON MAY 28	---	---	1949
1950	34.3 AT 18:00 MST ON JUN 22	33.4 ON JUN 22	---	---	1950
1951	28.6 AT 01:00 MST ON JUN 15	27.1 ON JUN 15	---	---	1951
1952	23.0 AT 06:00 MST ON OCT 2	14.9 ON MAY 20	---	---	1952
1953	37.4 AT 14:00 MST ON JUN 13	35.4 ON JUN 13	---	---	1953
1954	36.2 AT 07:00 MST ON MAY 20	32.8 ON MAY 20	---	---	1954
1955	27.0 AT 12:00 MST ON JUN 25	25.5 ON JUN 25	---	---	1955
1956	31.1 AT 06:00 MST ON MAY 21	30.0 ON MAY 21	---	---	1956
1957	23.2 AT 07:00 MST ON MAY 8	22.1 ON MAY 8	---	---	1957
1958	23.6 AT 05:30 MST ON MAY 10	22.5 ON MAY 10	---	---	1958
1959	28.6 AT 03:00 MST ON JUN 6	26.8 ON JUN 6	0.510B ON MAR 12	161 000	1959
1960	27.4 AT 02:30 MST ON JUN 17	24.4 ON JUN 3	0.340E ON FEB 28	113 000	1960
1961	28.6 AT 14:00 MST ON MAY 27	27.9 ON MAY 27	0.382 ON JAN 14	129 000	1961
1962	17.1 AT 05:00 MST ON JUN 10	16.1 ON JUN 10	0.360B ON JAN 22	118 000	1962
1963	23.4 AT 19:00 MST ON JUN 10	21.6 ON JUN 10	0.388B ON JAN 31	121 000	1963
1964	190 AT 16:00 MST ON JUN 8 *	117 ON JUN 8 *	0.248 ON MAR 2 *	142 000	1964
1965	39.4 AT 08:00 MST ON JUN 19	37.9 ON JUN 19	0.425B ON MAR 25	130 000	1965
1966	23.4 AT 08:00 MST ON JUN 11	22.5 ON JUN 11	---	---	1966
				131 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	---	---	---	10 6	4 95	3 41	2 65	2 61	---	---	1912
1913	---	---	---	---	14 6	30 4	12 2	7 76	3 29	3 77	2 59	1 75	---	1913
1914	---	---	---	---	17 0	14 9	9 46	4 57	3 56	---	---	---	---	1914
1915	---	---	---	---	11 4	13 4	8 94	5 75	4 90	4 95	3 81	---	---	1915
1916	---	---	3 38	4 03	10 2	28 9	19 4	7 29	5 95	1 42	2 42	0 890	10 0	1916
1917	0 857	0 807	0 476	1 39	14 4	24 4	13 9	4 38	2 92	2 72	2 72	---	8 06	1917
1918	---	---	---	---	---	20 5	6 92	4 84	2 99	2 85	1 73	1 19	---	1918
1919	0 807	0 701	0 436	4 45	14 6	2 05	8 87	11 6	3 96	1 12	1 17	1 38	5 92	1919
1920	1 14	0 928	0 832	1 95	13 9	19 9	---	10 8	6 25	5 29	2 81	2 39	---	1920
1921	1 11	1 66	2 08	5 31	17 8	18 1	5 22	4 74	3 82	16 3	1 03	4 17	9 16	1921
1922	1 10	0 868	0 586	1 67	11 5	19 0	4 51	11 0	6 57	2 28	1 61	1 18	7 13	1922
1923	1 28	0 880	0 712	3 80	15 4	7 66	2 00	11 1	16 7	2 89	---	---	7 61	1923
1924	---	---	---	---	7 61	3 14	20 3	12 5	3 95	---	---	---	---	1924
1925	---	---	---	---	12 2	21 3	8 81	15 2	13 0	10 6	---	---	---	1925
1926	---	---	---	---	7 62	9 45	10 3	3 12	3 28	0 311	---	---	---	1926
1927	---	---	---	2 59	16 1	22 4	13 9	12 2	9 15	8 12	---	---	---	1927
1928	---	---	---	---	24 6	11 0	14 7	10 5	2 72	10 4	---	---	---	1928
1929	---	---	---	---	9 75	13 1	8 52	13 1	7 28	2 44	---	---	---	1929
1930	---	---	---	---	4 23	15 2	10 6	13 7	5 24	1 15	---	---	---	1930
1931	---	---	---	---	7 74	8 85	15 8	15 9	3 85	3 08	---	---	---	1931
1932	---	---	---	---	5 86	10 3	12 3	16 7	7 87	3 87	---	---	---	1932
1933	---	---	---	---	23 0	12 8	10 6	17 9	9 08	4 23	---	---	---	1933
1934	---	---	---	---	18 1	16 7	16 2	18 2	2 78	1 52	---	---	---	1934
1935	---	---	---	---	9 20	5 55	14 6	16 9	7 69	0 849	---	---	---	1935
1936	---	---	---	---	3 68	13 2	21 9	13 1	1 67	1 14	---	---	---	1936
1937	---	---	---	---	5 85	6 79	14 6	21 4	4 35	1 65	---	---	---	1937
1938	---	---	---	---	8 97	13 2	13 3	20 9	6 95	2 45	---	---	---	1938
1939	---	---	---	---	3 06	9 48	17 8	13 5	0 292	0 783	---	---	---	1939
1940	---	---	---	0 538	5 00	8 59	19 5	8 25	0 209	0 111	---	---	---	1940
1941	---	---	---	3 37	5 00	3 84	17 8	6 70	3 73	0 003	---	---	---	1941
1942	---	---	---	5 77	5 35	15 7	12 9	15 3	13 4	4 94	---	---	---	1942
1943	---	---	---	0 029	8 14	22 3	9 64	16 4	16 2	1 44	---	---	---	1943
1944	---	---	---	5 18	8 46	2 18	11 4	8 80	1 00	0 006	---	---	---	1944
1945	---	---	---	3 75	6 80	12 3	11 9	18 4	12 3	2 28	---	---	---	1945
1946	---	---	---	14 1	7 75	6 05	11 5	16 1	14 2	0 383	---	---	---	1946
1947	---	---	---	6 85	11 0	11 1	9 48	16 0	13 4	0 771	---	---	---	1947
1948	---	---	---	---	14 2	23 5	7 43	14 3	14 8	1 24	---	---	---	1948
1949	---	---	---	---	5 87	7 42	13 2	15 4	7 78	---	---	---	---	1949
1950	---	---	---	4 28	17 0	24 5	9 04	12 9	14 1	13 5	---	---	---	1950
1951	---	---	---	---	19 1	14 4	12 0	14 3	19 5	12 4	---	---	---	1951
1952	---	---	---	---	6 25	8 87	11 2	14 0	14 9	1 74	---	---	---	1952
1953	---	---	---	2 12	15 3	19 0	12 5	15 1	15 9	1 87	---	---	---	1953
1954	---	---	0	6 09	18 5	9 61	13 4	14 7	18 5	11 7	---	---	11 8	1954
1955	---	---	---	---	1 52	19 2	9 15	16 2	16 5	6 55	---	---	---	1955
1956	---	---	---	2 79	21 0	10 7	3 81	14 7	15 8	6 50	---	---	---	1956
1957	---	---	---	4 46	10 2	13 0	10 8	16 3	7 57	0 002	---	---	---	1957
1958	---	---	---	1 77	6 09	13 9	13 5	17 7	7 86	0 002	---	---	---	1958
1959	---	---	1 01	9 45	19 3	12 5	5 21	17 0	20 7	11 0	---	---	12 0	1959
1960	---	---	---	1 49	10 3	8 10	10 7	19 2	11 3	0 003	---	---	---	1960
1961	---	---	0 212	13 1	5 75	6 15	13 6	18 8	10 7	3 02	---	---	8 91	1961
1962	---	---	0 007	12 9	10 6	1 93	13 8	14 7	1 79	0 006	---	---	8 99	1962
1963	---	---	0 400	18 2	10 8	0 508	11 4	19 2	11 5	0 478	---	---	9 05	1963
1964	---	---	---	9 11	8 31	17 1	7 82	16 7	14 4	7 87	---	---	---	1964
1965	---	---	---	0 085	12 2	16 0	6 33	17 0	15 5	8 59	---	---	---	1965
1966	---	---	0 100	0 109	13 2	5 30	11 1	19 0	13 5	1 04	---	---	7 93	1966
1967	---	---	0 011	0 015	24 9	8 62	5 26	17 1	15 2	---	---	---	---	1967
1968	---	---	0 008	13 5	10 6	0 748	11 7	19 1	19 5	0 231	---	---	9 36	1968
1969	---	---	0 002	1 37	5 98	15 1	14 2	19 4	9 28	1 52	---	---	8 48	1969
1970	---	---	0 003	7 95	1 16	17 9	12 8	19 8	8 06	0 008	---	---	8 43	1970
1971	---	---	0 008	0 029	17 0	16 0	10 1	14 5	21 8	2 99	---	---	10 3	1971
1972	---	---	0 026	0 027	29 3	5 20	12 9	14 5	19 8	8 99	---	---	11 1	1972
1973	---	---	0 050	1 85	7 35	7 44	16 4	16 4	0 009	0 456	---	---	6 28	1973
1974	---	---	1 08	14 6	9 38	13 0	15 4	18 3	16 4	0	---	---	11 0	1974
1975	---	---	0 020	0 197	0 867	27 6	15 7	16 1	22 4	3 88	---	---	10 8	1975
1976	---	---	0 014	1 93	14 8	8 79	10 8	17 5	20 6	2 68	---	---	9 63	1976
1977	---	---	0 002	1 88	12 6	13 1	5 07	4 46	3 15	0 018	---	---	8 00	1977
1978	---	---	0 007	0 579	12 2	12 0	15 1	16 8	17 2	5 86	---	---	9 87	1978
1979	---	---	0 085	0 149	13 1	3 87	13 3	16 9	5 07	0 001	---	---	8 61	1979
1980	---	---	3 84	5 25	5 24	3 02	18 2	18 8	8 01	0 191	---	---	7 78	1980
1981	---	---	11 5	9 72	2 58	4 35	13 4	17 0	16 4	0 131	---	---	9 37	1981
1984	---	---	10 7	5 59	7 46	6 13	11 7	11 2	0 801	0 003	---	---	6 73	1984
MEAN	0 889	0 948	1 28	4 70	11 1	12 4	11 8	14 0	9 85	3 27	2 23	1 85	8 71	MEAN

LOCATION - LAT 49 49 49 N
LONG 113 30 59 W

DRAINAGE AREA, 168 km²
REGULATED

INTERNATIONAL GAUGING STATION

SWIFTCURRENT CREEK AT SHERBURNE - STATION NO. 05AE033

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1912	---	---	---	---	1912
1913	---	52.4 ON MAY 28	---	---	1913
1914	---	30.9 ON JUN 4	---	---	1914
1915	---	23.1 ON JUN 28	---	---	1915
1916	---	83.7 ON JUN 17	0.113 ON APR 25	212 000	1916
1917	---	30.3 ON JUN 10	0.170 ON MAY 4	171 000	1917
1918	---	32.3 ON MAY 5	---	---	1918
1919	---	39.9 ON MAY 29	0 E ON MAR 3 *	125 000	1919
1920	---	42.2 ON AUG 3	0 ON JUN 29	---	1920
1921	34.0 AT 15:30 MST ON MAY 28	32.5 ON MAY 29	0.014 ON JUN 29	194 000	1921
1922	35.1 AT 07:00 MST ON JUN 7	33.1 ON JUN 7	0.003 ON JUN 26	151 000	1922
1923	34.5 AT 10:00 MST ON JUN 11	23.7 ON JUN 10	0 A ON JUN 21	159 000	1923
1924	24.3A ON JUL 19	24.3A ON JUL 19	---	---	1924
1925	37.7 AT 14:00 MST ON JUN 18	30.8 ON JUN 23	---	---	1925
1926	31.7 AT 18:00 MST ON OCT 10	13.6 ON JUL 19	---	---	1926
1927	47.3 AT 21:00 MST ON JUN 8	47.0 ON JUN 8	---	---	1927
1928	51.8 ON MAY 11	46.7 ON MAY 10	---	---	1928
1929	38.5 AT 15:30 MST ON OCT 14	32.8 ON MAY 25	---	---	1929
1930	26.5 ON JUN 12	26.2 ON JUN 13	---	---	1930
1931	18.2 AT 00:30 MST ON JUL 24	17.9 ON JUL 24	---	---	1931
1932	34.5 AT 20:30 MST ON MAY 31	22.6 ON JUN 17	---	---	1932
1933	32.6 AT 24:00 MST ON JUN 2	32.3 ON JUN 2	---	---	1933
1934	50.1 AT 23:00 MST ON JUN 7	37.1 ON JUN 8	---	---	1934
1935	21.8 AT 19:30 MST ON AUG 20	21.5 ON AUG 21	---	---	1935
1936	24.5 AT 18:4 MST ON AUG 13	23.4 ON AUG 14	---	---	1936
1937	31.7 AT 15:00 MST ON JUN 15	24.0 ON AUG 1	---	---	1937
1938	---	27.0A ON MAY 29	---	---	1938
1939	28.3 AT 14:30 MST ON JUL 17	24.1 ON AUG 9	---	---	1939
1940	21.5 AT 09:30 MST ON JUL 26	21.1 ON JUL 14	---	---	1940
1941	22.5 AT 17:00 MST ON JUL 9	21.7 ON JUL 10	---	---	1941
1942	43.3 AT 20:00 MST ON JUN 5	42.5 ON JUN 6	---	---	1942
1943	54.7 AT 22:00 MST ON JUN 21	52.7 ON JUN 22	---	---	1943
1944	16.6 AT 19:30 MST ON AUG 6	16.0 ON AUG 5	---	---	1944
1945	25.8 AT 15:15 MST ON JUN 4	25.3 ON JUN 5	0 A ON APR 1	---	1945
1946	19.5 AT 09:00 MST ON SEP 3	19.2 ON SEP 3	---	---	1946
1947	21.1 AT 19:00 MST ON MAY 14	21.0 ON MAY 14	---	---	1947
1948	38.5 AT 08:45 MST ON JUN 17	38.2 ON JUN 18	---	---	1948
1949	17.6 AT 23:00 MST ON AUG 4	17.6 ON JUL 24	---	---	1949
1950	30.9 ON JUN 24	30.6 ON JUN 25	---	---	1950
1951	40.2 AT 17:30 MST ON JUN 16	38.6 ON JUN 17	---	---	1951
1952	31.1 AT 00:01 MST ON OCT 1	19.2 ON JUN 9	---	---	1952
1953	36.0 AT 18:00 MST ON JUN 14	36.7 ON JUN 14	0.020 ON OCT 27	---	1953
1954	54.4 AT 13:00 MST ON SEP 15	31.1 ON MAY 23	0 B ON MAR 1	245 000	1954
1955	33.4 AT 22:30 MST ON JUN 24	33.4 ON JUN 25	---	---	1955
1956	46.2 AT 19:00 MST ON MAY 23	44.2 ON MAY 23	---	---	1956
1957	22.6 AT 14:00 MST ON JUN 8	22.7 ON JUN 9	0 E ON SEP 28	---	1957
1958	30.3 AT 23:00 MST ON JUN 19	25.8 ON JUN 11	0 ON OCT 17	---	1958
1959	33.7 AT 08:00 MST ON SEP 30	30.0 ON OCT 1	0.0038 ON MAR 1	254 000	1959
1960	81.7 AT 13:30 MST ON JUL 28	25.1 ON JUL 28	0 ON OCT 21	---	1960
1961	33.7 AT 11:30 MST ON JUN 30	24.7 ON JUN 30	0 B ON MAR 1	144 000	1961
1962	19.5 AT 15:00 MST ON APR 8	19.1 ON APR 10	0 ON OCT 31	148 000	1962
1963	25.6 AT 15:30 MST ON APR 5	21.8 ON APR 8	0.006E ON MAR 1	192 000	1963
1964	68.6 AT 18:30 MST ON JUN 11	68.3 ON JUN 12 *	---	---	1964
1965	44.2 AT 08:00 MST ON MAY 16	37.4 ON MAY 16	---	---	1965
1966	27.2 AT 11:00 MST ON APR 25	23.9 ON JUN 4	0.006 ON OCT 31	188 000	1966
1967	47.8 AT 10:45 MST ON MAY 10	47.0 ON MAY 11	---	---	1967
1968	30.3 AT 14:15 MDT ON SEP 19	28.3 ON SEP 20	0.006 ON OCT 27	199 000	1968
1969	68.5 AT 20:30 MDT ON JUN 25 *	44.5 ON JUN 25	0 ON OCT 18	180 000	1969
1970	67.1 AT 11:00 MDT ON JUL 8	62.6 ON JUN 19	0.0038 ON MAR 1	178 000	1970
1971	62.0 AT 07:15 MST ON MAY 14	59.5 ON MAY 29	0.002 ON OCT 29	218 000	1971
1972	57.5 AT 09:45 MST ON MAY 15	54.4 ON MAY 29	0.006E ON MAR 1	238 000	1972
1973	22.5 AT 08:30 MST ON AUG 8	21.5 ON AUG 7	0 ON SEP 28	133 000	1973
1974	48.7 AT 17:30 MST ON JUN 17	47.0 ON JUN 18	0 ON SEP 28	232 000	1974
1975	84.6 AT 15:30 MST ON JUN 21	84.3 ON JUN 21	0 ON OCT 3	228 000	1975
1976	---	28.5 ON MAY 12	0.003 ON OCT 26	204 000	1976
1977	18.9 AT 10:00 MST ON JUN 27	18.0 ON MAY 28	0 ON SEP 20	109 000	1977
1978	28.1 AT 07:30 MST ON JUN 9	27.9 ON JUN 8	0.001 ON MAR 8	211 000	1978
1979	53.4 AT 23:30 MDT ON MAY 27	39.9 ON MAY 27	0.001 ON SEP 20	140 000	1979
1980	19.9 AT 09:45 MDT ON AUG 15	19.5 ON AUG 15	0 ON OCT 7	185 000	1980
1981	65.1 AT 12:00 MDT ON JUL 15	21.6 ON JUL 29	0 ON OCT 3	188 000	1981
1984	20.8 AT 10:00 MST ON JUL 28	20.8 ON JUL 28	0.002 ON OCT 14	142 000	1984
MEAN				184 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

SYLVAN CREEK NEAR SYLVAN LAKE - STATION NO. 05CC004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0.077	0.243	0.232	0.138	0.104	0.011	0	---	---	---	1921
1922	---	---	---	0.032	0.013	0.027	0.008	0.028	0.021	0	---	---	---	1922
MEAN	---	---	---	0.050	0.128	0.130	0.073	0.067	0.016	0	---	---	---	MEAN

LOCATION - LAT 52 19 00 N, LONG 114 04 00 W
DRAINAGE AREA, 153 km^2
NATURAL FLOW

SYLVAN CREEK NEAR SYLVAN LAKE - STATION NO. 05CC004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	0.311 ON MAY 28 *	0 ON APR 1 *	---	1921
1922	---	0.071 ON APR 20	0 ON APR 1	---	1922
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TABER IRRIGATION DISTRICT CANAL NEAR CHIN - STATION NO. 05AG001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	0	0.302	3.84	4.87	1.10	1.75	3.95	0.278	---	1.98	1921
1922	---	---	---	0	0	2.80	3.34	1.18	0.781	2.52	0.584	---	1.40	1922
1923	---	---	---	0	0.562	0.990	1.21	0.814	1.01	2.09	0.186	---	0.826	1923
1924	---	---	---	0	1.61	2.39	3.94	1.63	2.24	3.81	0.262	---	1.97	1924
1925	---	---	---	0	0.483	3.55	3.80	1.71	0.858	0.374	0.121	---	1.24	1925
1926	---	---	---	0	1.55	3.43	4.11	1.58	0.516	0.975	0.887	---	1.81	1926
1927	---	---	---	0	0	0.174	0.835	0.550	0.478	0.402	0.078	---	0.387	1927
1928	---	---	---	0	0.937	1.28	0.278	1.21	0.889	1.23	1.03	---	0.851	1928
1929	---	---	---	0	0.244	0.841	3.18	3.28	1.02	2.51	0.840	---	1.47	1929
1930	---	---	---	0	0.989	4.85	4.51	2.88	1.18	0.714	0.535	---	1.97	1930
1931	---	---	---	---	---	---	---	3.03	1.08	---	---	---	---	1931
1932	---	---	---	0	0.501	1.57	4.86	2.47	0.482	0.682	0.317	---	1.38	1932
1933	---	---	---	0	0.086	3.40	4.17	3.26	0.819	0.891	0	---	1.86	1933
1934	---	---	---	0	3.56	0.805	4.03	3.46	1.21	0.524	0	---	1.72	1934
1935	---	---	---	0	0.078	2.86	4.41	3.11	2.18	0.851	0	---	1.88	1935
1936	---	---	---	0	0.182	3.22	5.84	2.79	0.970	0.001	0	---	1.86	1936
1937	---	---	---	0	1.18	3.62	5.09	2.83	3.80	0.870	0	---	2.14	1937
1938	---	---	---	0	0.335	4.11	3.82	2.85	2.88	1.53	0	---	1.94	1938
1939	---	---	---	0	3.13	1.63	3.43	4.09	3.32	0.476	0	---	2.02	1939
1940	---	---	---	0	0.381	4.12	4.47	3.57	2.87	0.884	0	---	2.01	1940
1941	---	---	---	0	1.51	1.99	3.98	3.53	1.48	0.902	0	---	1.88	1941
1942	---	---	---	0	0.348	1.10	3.90	2.82	1.08	0.887	0.217	---	1.25	1942
1943	---	---	---	0	0.279	4.19	5.58	4.74	3.57	1.87	0.086	---	2.55	1943
1944	---	---	---	0.026	1.86	3.31	4.03	3.64	4.11	1.55	0.026	---	2.34	1944
1945	---	---	---	0	0.114	2.57	5.14	5.10	2.38	0.504	0	---	1.98	1945
1946	---	---	---	0	3.23	2.54	4.71	4.73	2.10	0.832	0.585	---	2.36	1946
1947	---	---	---	0	0	1.21	5.16	2.39	1.58	0.789	0.052	---	1.41	1947
1948	---	---	---	0	0	0.847	4.16	4.23	3.71	1.80	0.108	---	1.87	1948
1949	---	---	---	0.345	2.54	2.97	5.39	4.88	3.60	1.59	0	---	2.65	1949
1950	---	---	---	0	0.648	4.93	5.29	5.30	5.11	2.22	0.255	---	2.88	1950
1951	---	---	---	0	0.391	1.36	0.981	4.19	0.735	0.885	0	---	1.07	1951
MEAN	---	---	---	0.012	0.887	2.64	3.91	3.00	1.91	1.28	0.203	---	1.73	MEAN

LOCATION - LAT 49 46 45 N
LONG 112 27 20 W REGULATED

TABER IRRIGATION DISTRICT CANAL NEAR CHIN - STATION NO. 05AG001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	5.21 ON JUL 2	0 ON APR 1 *	41 300	1921
1922	---	4.61 ON JUN 25	0 ON APR 1	28 400	1922
1923	---	2.84 ON OCT 24	0 ON APR 1	17 500	1923
1924	---	4.53 ON OCT 30	0 ON APR 1	41 500	1924
1925	---	4.70 ON JUN 8	0 ON APR 1	28 300	1925
1926	---	4.59 ON JUN 15	0 ON APR 1	34 000	1926
1927	---	1.64 ON AUG 1	0 ON APR 1	7 740	1927
1928	---	3.74 ON NOV 13	0 ON APR 1	17 800	1928
1929	---	5.47 ON JUL 23	0 ON APR 1	31 100	1929
1930	---	5.75 ON JUL 16	0 ON APR 1	41 700	1930
1931	---	---	---	---	1931
1932	---	5.55 ON JUL 24	0 ON APR 1	29 000	1932
1933	---	5.36 ON JUL 27	0 ON APR 1	33 000	1933
1934	---	5.38 ON MAY 28	0 ON APR 1	38 200	1934
1935	---	5.13 ON JUL 15	0 ON APR 1	35 700	1935
1936	---	5.00 ON JUL 10	0 ON APR 1	33 600	1936
1937	---	5.31 ON JUL 13	0 ON APR 1	45 100	1937
1938	---	5.00 ON JUN 19	0 ON APR 1	40 800	1938
1939	---	5.49 ON MAY 21	0 ON APR 1	42 600	1939
1940	---	5.00 ON JUN 23	0 ON APR 1	42 500	1940
1941	---	5.14A ON JUL 25	0 ON APR 1	34 600	1941
1942	---	5.21 ON JUL 11	0 ON APR 1	28 500	1942
1943	---	5.88 ON JUL 29	0 ON APR 1	53 700	1943
1944	---	5.75 ON AUG 1	0 ON APR 1	49 400	1944
1945	---	5.09 ON AUG 1	0 ON APR 1	41 900	1945
1946	---	5.31 ON JUL 31	0 ON APR 1	45 800	1946
1947	---	5.17 ON JUL 31	0 ON APR 1	29 700	1947
1948	---	5.43 ON JUL 13	0 ON APR 1	38 300	1948
1949	---	5.83 ON AUG 5	0 ON APR 1	55 900	1949
1950	---	5.85 ON JUN 21 *	0 ON APR 1	52 800	1950
1951	---	5.60 ON AUG 9	0 ON APR 1	22 800	1951
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 500	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX)

TABER IRRIGATION DISTRICT CANAL NEAR CRANFORD - STATION NO. 05AG012

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	0.250	0.721	1.23	1.40	0.881	---	---	---	1986
1987	---	---	---	---	0.239	0.822	0.755	1.28	1.04	0.720	---	---	---	1987
1988	---	---	---	---	0.141	0.775	0.588	0.573	0.557	0.270	---	---	---	1988
MEAN	---	---	---	---	0.190	0.349	0.688	1.03	0.999	0.617	---	---	---	MEAN

LOCATION - LAT 49 44 46 N
LONG 112 21 15 W REGULATED

TABER IRRIGATION DISTRICT CANAL NEAR CRANFORD - STATION NO. 05AG012

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1986	---	1.69 ON JUL 25	---	---	1986
1987	---	1.78 ON AUG 5 *	---	---	1987
1988	---	1.19 ON JUN 30	---	---	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TAR RIVER NEAR FORT MACKAY - STATION NO. 07DA015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	1.49	0.854	0.413	0.090	---	1975
1976	0.018	0	0.010	4.21	0.936	0.805	0.712	---	---	---	---	0.008	---	1976
1977	0.002	0	0	0.773	0.901	0.825	1.40	0.628	0.529	0.884	0.147	0.048	0.496	1977
MEAN	0.010	0	0.005	2.49	0.919	0.715	1.06	0.628	1.01	0.759	0.280	0.048	0.496	MEAN

LOCATION - LAT 57 21 14 N DRAINAGE AREA, 301 km^2
LONG 111 45 29 W NATURAL FLOW

TAR RIVER NEAR FORT MACKAY - STATION NO. 07DA015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	---	14.5 A ON APR 9 *	0B ON FEB 1 *	---	1976
1977	2.87 AT 12:53 MST ON JUL 5 *	2.78 ON JUL 5	0B ON JAN 30	15 800	1977
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	15 800	MEAN

TAR RIVER NEAR FORT MACKAY (UPPER STATION) - STATION NO. 07DA019

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	---	0.410	0.158	0.012	---	1976
1977	0	0	0	0.489	0.876	0.512	0.826	0.436	0.402	0.436	0.120	0.028	0.330	1977
MEAN	0	0	0	0.489	0.876	0.512	0.826	0.436	0.402	0.423	0.138	0.020	0.330	MEAN

LOCATION - LAT 57 29 05 N DRAINAGE AREA, 103 km^2
LONG 112 01 10 W NATURAL FLOW

TAR RIVER NEAR FORT MACKAY (UPPER STATION) - STATION NO. 07DA019

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0B ON DEC 29 *	---	1976
1977	1.81 AT 14:15 MST ON JUL 4 *	1.75 ON JUL 4 *	0B ON JAN 1	10 400	1977
		B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 400	MEAN

TEEPEE CREEK NEAR LACRETE - STATION NO. 07JD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	0	0.314	0.408	0.052	0.002	0.001	0	0	---	---	0.087	1981
1982	---	---	0	0.186	0.027	0	0	0	0	0	---	---	0.026	1982
1983	---	---	0	0.585	0.026	0.022	0	0	0	0	---	---	0.075	1983
1984	---	---	0.002	0.011	0.005	0.059	0.418	0.002	0.079	0.026	---	---	0.076	1984
MEAN	---	---	0.001	0.269	0.117	0.033	0.105	0.001	0.020	0.007	---	---	0.069	MEAN

LOCATION - LAT 56 08 19 N DRAINAGE AREA, 133 km²
LONG 118 14 55 W NATURAL FLOW

REMARKS - RECORDS PRIOR TO 1984 PUBLISHED AS TEEPEE CREEK NEAR LA CRETE.

TEEPEE CREEK NEAR LACRETE - STATION NO. 07JD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	1.83 AT 10:00 MST ON APR 30	1.58 ON APR 30	0B ON MAR 1 *	2 050	1981
1982	2.25A AT 18:00 MST ON APR 22	1.83 B ON APR 22	0B ON MAR 1	554	1982
1983	8.82 AT 22:00 MST ON APR 19 *	5.03 A ON APR 19 *	0B ON MAR 1	1 600	1983
1984	1.00 AT 14:00 MST ON JUL 7	0.879 ON JUL 7	0B ON MAR 1	1 600	1984
				1 450	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

THELMA CREEK AT ENGLISH'S RANCH - STATION NO. 11AB063

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1912	---	---	---	0.790	0.317	0.030	0	0	0	0.001	---	---	---	1912
1913	---	---	---	0.882	0.141	0.014	0.015	0	0	0	---	---	---	1913
1914	---	---	---	0.390	0.085	0.022	0	0	0	0.087	---	---	---	1914
1915	---	---	---	0.185	0.041	0.113	0.045	0.001	0	0.009	---	---	---	1915
1916	---	---	0.887	0.408	0.737	1.18	0.330	0.084	0.059	0.072	---	---	---	1916
1917	---	---	---	---	---	0.083	0	0	0	0	---	---	---	1917
1918	---	---	---	1.79	0.133	0.004	---	0	0	0	---	---	---	1918
1919	---	---	---	0.183	0.026	0.002	---	0	0	0	---	---	---	1919
1920	---	---	---	---	0.314	0.006	0.001	0	0	0	---	---	---	1920
1921	---	---	0.127	0.574	0.388	0.020	0.030	0	0	0	---	---	---	1921
1922	---	---	0.011	1.07	0.563	0.046	0	0	0	0	---	---	---	1922
MEAN	---	---	0.342	0.695	0.273	0.137	0.047	0.008	0.005	0.015	---	---	---	MEAN

LOCATION - LAT 49 32 00 N DRAINAGE AREA, 33.2 km²
LONG 110 17 00 W NATURAL FLOW

THELMA CREEK AT ENGLISH'S RANCH - STATION NO. 11AB063

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1912	---	---	0 ON JUL 12 *	---	1912
1913	---	3.23 ON APR 16	0 ON APR 1	---	1913
1914	---	---	0 ON JUL 1	---	1914
1915	---	---	0 ON MAY 5	---	1915
1916	---	---	---	---	1916
1917	---	---	0 ON JUN 28	---	1917
1918	---	---	0 ON MAY 20	---	1918
1919	---	---	0 ON JUN 19	---	1919
1920	---	---	0 ON JUN 9	---	1920
1921	---	---	0B ON MAR 20	---	1921
1922	---	6.518 ON APR 22 *	0 ON JUL 3	---	1922
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

THICKWOOD CREEK NEAR FORT MACKAY - STATION NO. 07DB004

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	0.187	0.359	---	---	1.17	0.281	0.023	---	1976
1977	0.011	0.011	0.006	0.311	0.438	0.788	0.569	0.325	0.221	0.407	0.147	0.019	0.272	1977
MEAN	0.011	0.011	0.006	0.311	0.438	0.483	0.464	0.325	0.221	0.789	0.214	0.021	0.272	MEAN

LOCATION - LAT 58 53 55 N DRAINAGE AREA, 176 km²
LONG 112 10 15 W NATURAL FLOW

THICKWOOD CREEK NEAR FORT MACKAY - STATION NO. 07DB004

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	5.28 IN SEP *	---	---	---	1976
1977	1.31 AT 12:36 MST ON JUN 18	1.17 ON JUN 18 *	0B ON MAR 21 *	8 580	1977
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 580	MEAN

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0	4.14	0.151	0.051	0.011	0	0	0	---	---	0.534	1971
1972	---	---	0.014	0.819	0.171	0.140	0.029	0.002	0.011	0.010	---	---	0.180	1972
1973	---	---	0.868	0.949	0.118	0.124	0.080	0.037	0.004	0.003	---	---	0.247	1973
1974	---	---	0	3.58	0.822	0.081	0.033	0.001	0.001	0.030	---	---	0.859	1974
1975	---	---	0	1.20	0.535	0.039	0.004	0	0	0	---	---	0.218	1975
1976	---	---	0.001	0.380	0.007	0.021	0.018	0.052	0	0	---	---	0.058	1976
1977	---	---	0	0.188	0.154	0.018	0	0	0	0	---	---	0.048	1977
1978	---	---	0.345	0.285	0.124	0.080	0.012	0.013	0.026	0.032	---	---	0.113	1978
1979	---	---	0.418	0.180	0.083	0.011	0.005	0	0	0	---	---	0.085	1979
1980	---	---	0	0.188	0.001	0.023	0.007	0	0	0	---	---	0.028	1980
1981	---	---	0.226	0.067	0.292	0.011	0.007	0.041	0	0	---	---	0.081	1981
1982	---	---	0.001	1.30	0.087	0.021	0.127	0.010	0.005	0.010	---	---	0.193	1982
1983	---	---	0.351	0.389	0.048	0.003	0.047	0.001	0	0	---	---	0.108	1983
1984	---	---	0.088	0.040	0.014	0.018	0	0	0	0	---	---	0.017	1984
MEAN	---	---	0.150	0.885	0.188	0.043	0.027	0.011	0.003	0.008	---	---	0.175	MEAN

LOCATION - LAT 51 59 10 N DRAINAGE AREA, 197 km^2
LONG 113 34 04 W NATURAL FLOW

THREEHILLS CREEK BELOW RAY CREEK - STATION NO. 05CE018

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	24.3 ON APR 15 *	18.8 ON APR 15 *	0B ON MAR 1 *	11 300	1971
1972	---	5.72 ON APR 7	0B ON MAR 1	3 380	1972
1973	---	4.78 B ON MAR 28	0B ON MAR 1	5 220	1973
1974	15.0 AT 00:00 MST ON APR 20	11.4 ON APR 20	0B ON MAR 1	11 800	1974
1975	8.888 AT 04:00 MST ON APR 22	5.89 B ON APR 22	0B ON MAR 1	4 640	1975
1976	---	1.75 ON APR 8	0B ON MAR 1	1 190	1976
1977	---	1.17 ON APR 7	0 ON MAR 1	874	1977
1978	---	3.60 B ON MAR 30	0B ON MAR 1	2 370	1978
1979	---	2.85 ON MAR 13	0 ON MAR 1	1 800	1979
1980	---	1.38 ON APR 16	0 ON MAR 1	898	1980
1981	---	3.76 ON MAY 7	0 ON JUN 22	1 720	1981
1982	---	8.23 ON APR 14	0B ON MAR 1	4 080	1982
1983	---	3.82 B ON MAR 31	0B ON MAR 1	2 240	1983
1984	---	0.3768 ON MAR 28	0B ON MAR 1	388	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 690	MEAN

THREEHILLS CREEK NEAR LARDON - STATION NO. 05CE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.284	0.128	0.043	0.048	---	---	---	1965
1966	---	---	5.81	5.14	0.279	0.348	0.900	0.118	0.018	0.048	---	---	1.71	1966
1967	---	---	0.078	6.64	3.14	0.288	0.034	0	0	0	---	---	1.36	1967
1968	---	---	0.286	0.182	0.063	0.041	0.236	0.243	0.032	0.108	---	---	0.148	1968
1969	---	---	0.023	14.9	0.298	0.036	0.206	0.008	0.298	0.130	---	---	1.95	1969
1970	---	---	1.02	6.94	0.324	1.79	0.884	0.101	0.017	0.068	---	---	1.14	1970
1971	---	---	0.048	17.7	0.738	0.702	0.043	0.008	0.003	0.013	---	---	2.36	1971
1972	---	---	0.187	0.745	0.182	1.20	0.508	0.018	0.007	0.029	---	---	0.388	1972
1973	---	---	3.41	3.49	0.820	0.435	0.254	0.058	0.141	0.068	---	---	0.800	1973
1974	---	---	0.004	18.1	4.24	0.422	0.080	0.083	0.881	0.080	---	---	2.87	1974
1975	---	---	0	3.33	---	0.268	0.111	0.101	0.298	0.370	---	---	---	1975
1976	---	---	1.35	0.713	0.218	0.134	0.104	0.584	0.023	0.028	---	---	0.382	1976
1977	---	---	0.100	0.778	0.150	0.091	0.088	0.055	0.179	0.151	---	---	0.184	1977
1978	---	---	2.08	3.93	0.231	0.364	0.014	0.043	0.185	0.088	---	---	0.738	1978
1979	---	---	1.73	0.888	0.263	0.070	0.044	0.032	0.003	0.128	---	---	0.370	1979
1980	---	---	0.020	2.17	0.107	0.078	0.408	0.185	0.025	0.083	---	---	0.483	1980
1981	---	---	0.908	0.187	1.33	0.034	0.230	0.078	0.018	0.084	---	---	0.380	1981
1982	---	---	0.702	4.97	0.808	0.080	0.231	0.084	0.102	0.138	---	---	0.850	1982
1983	---	---	0.533	1.55	0.170	0.020	0.018	0	0	0.085	---	---	0.288	1983
1984	---	---	0.202	0.104	0.018	0.044	0.048	0.088	0.007	0.001	---	---	0.084	1984
MEAN	---	---	0.887	4.85	0.885	0.385	0.237	0.098	0.104	0.081	---	---	0.803	MEAN

LOCATION - LAT 51 33 53 N DRAINAGE AREA, 1 070 km^2
LONG 113 04 18 W REGULATED

THREEHILLS CREEK NEAR CARBON - STATION NO. 05CE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	36.8 B AT 23:00 MST ON MAR 28	25.9 ON APR 1	0 B ON MAR 1 *	38 100	1966
1967	22.6 B AT 21:45 MST ON APR 4	16.3 ON APR 15	0 B ON MAR 10	29 200	1967
1968	1.26 AT 02:53 MST ON JUL 29	1.20 ON JUL 29	0 ON MAY 25	3 100	1968
1969	---	72.5 ON APR 7 *	0 B ON MAR 1	41 200	1969
1970	15.8 AT 07:00 MST ON APR 10	15.4 ON APR 10	0 B ON MAR 1	24 100	1970
1971	53.2 B AT 22:30 MST ON APR 8	42.2 B ON APR 8	0 B ON MAR 1	60 100	1971
1972	10.2 AT 05:00 MST ON JUN 13	7.84 ON JUN 13	0 B ON MAR 1	7 630	1972
1973	10.4 B AT 12:45 MST ON MAR 30	9.288 ON MAR 30	0 B ON MAR 1	17 100	1973
1974	50.4 B AT 14:50 MST ON APR 15	45.0 B ON APR 15	0 B ON MAR 1	58 600	1974
1975	15.0 B AT 19:20 MST ON APR 20	12.9 B ON APR 20	0 B ON MAR 1	---	1975
1976	6.718 AT 17:00 MST ON MAR 23	5.668 ON MAR 23	0 ON SEP 30	8 090	1976
1977	6.548 AT 21:00 MST ON APR 8	4.788 ON APR 8	0 B ON MAR 1	4 110	1977
1978	19.4 AT 02:00 MST ON MAR 30	18.5 ON MAR 30	0 B ON MAR 1	15 800	1978
1979	---	3.788 ON MAR 16	0 B ON MAR 1	7 820	1979
1980	54.0 AT 21:45 MST ON JUN 17 *	8.188 ON APR 13	0 B ON MAR 1	10 200	1980
1981	10.3 AT 00:25 MST ON MAY 8	7.60 ON MAY 8	0.003 ON SEP 18	7 520	1981
1982	15.8 B AT 17:54 MST ON APR 14	14.9 B ON APR 14	0 B ON MAR 1	18 000	1982
1983	---	4.478 ON APR 5	0 A ON JUN 13	8 280	1983
1984	5.98 AT 01:14 MST ON AUG 4	1.86 ON AUG 4	0 B ON MAR 1	1 350	1984
				19 100	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEHILLS CREEK NEAR TROCHU - STATION NO. 05CE015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0.013	0.004	0.007	0.008	---	---	---	1967
1968	---	---	0.383	0.157	0.017	0.014	0.172	0.117	0.017	0.047	---	---	---	1968
1969	---	---	0.008	8.09	0.139	0.052	0.208	0.040	0.188	0.088	---	---	---	1969
MEAN	---	---	0.196	3.13	0.078	0.033	0.131	0.054	0.083	0.041	---	---	---	MEAN

LOCATION - LAT 51 51 30 N, LONG 113 28 30 W DRAINAGE AREA, 456 km^2, NATURAL FLOW

THREEHILLS CREEK NEAR TROCHU - STATION NO. 05CE015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	---	---	1967
1968	---	1.708 ON MAR 8	---	---	1968
1969	---	33.4 A ON APR 7 *	0B ON FEB 27 *	---	1969
				---	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	8.43	11.4	8.80	5.21	2.01	0.312	0.285	---	---	---	1909
1912	---	---	---	2.86	4.42	5.09	12.5	3.47	1.22	1.73	---	---	---	1912
1913	---	---	---	---	4.68	4.54	4.28	2.36	0.838	0.873	---	---	---	1913
1914	---	---	---	---	3.40	2.76	0.984	0.207	0.224	1.86	---	---	---	1914
1915	---	---	---	0.912	14.3	16.5	13.2	4.19	2.56	2.48	---	---	---	1915
1916	---	---	---	5.18	7.81	17.8	3.56	11.3	8.67	4.58	---	---	---	1916
1965	---	---	---	---	---	---	---	2.81	4.24	2.98	---	---	---	1965
1966	---	---	0.725	1.18	5.87	6.70	3.25	1.12	0.388	0.387	---	---	2.70	1966
1967	---	---	0.174	2.58	19.5	16.8	1.91	0.324	0.104	0.095	---	---	5.42	1967
1968	---	---	0.244	0.836	2.94	5.13	1.18	0.810	1.21	2.05	0.821	0.195	1.80	1968
1969	0.055	0.081	0.727	7.45	8.20	16.1	12.8	0.578	0.310	0.308	---	---	5.78	1969
1970	---	---	0	1.87	6.34	5.84	1.11	0.138	0.088	0.152	---	---	2.31	1970
1971	---	---	0.020	3.86	3.41	5.02	0.509	0.081	0.088	0.187	---	---	1.72	1971
1972	---	---	2.28	4.92	5.31	4.70	1.63	0.718	0.801	0.812	---	---	2.84	1972
1973	---	---	1.20	3.03	8.78	5.95	0.640	0.931	0.821	0.398	---	---	2.88	1973
1974	---	---	0.427	7.56	16.5	7.81	0.930	0.835	0.570	0.428	---	---	4.35	1974
1975	---	---	0.018	2.98	6.06	5.78	1.60	0.520	0.184	0.188	---	---	2.16	1975
1976	---	---	0.066	1.72	2.68	0.975	0.282	3.86	0.877	0.311	---	---	1.38	1976
1977	---	---	0.193	1.68	2.21	0.867	0.265	0.723	0.672	0.748	---	---	0.954	1977
1978	---	---	2.12	3.30	6.51	5.47	2.79	1.33	1.06	0.528	---	---	3.01	1978
1979	---	---	1.53	3.37	6.96	1.80	0.635	0.196	0.045	0.059	---	---	1.70	1979
1980	---	---	0.022	3.47	3.24	7.24	0.523	0.862	1.42	0.648	---	---	2.15	1980
1981	---	---	0.315	0.603	16.4	8.58	3.70	2.11	0.486	0.288	---	---	3.87	1981
1982	---	---	0.015	1.32	1.24	4.69	2.34	0.271	0.347	0.424	---	---	1.32	1982
1983	---	---	0.217	2.58	4.87	1.68	1.80	0.402	0.030	0.078	---	---	1.50	1983
1984	---	---	0.048	0.513	1.10	2.59	0.380	0.048	0.038	0.047	---	---	0.588	1984
MEAN	0.055	0.081	0.544	3.06	6.99	7.07	3.16	1.61	1.09	0.845	0.821	0.195	2.54	MEAN

LOCATION - LAT 50 45 14 N, LONG 114 18 39 W DRAINAGE AREA, 507 km^2, NATURAL FLOW

THREEPOINT CREEK NEAR MILLARVILLE - STATION NO. 05BL013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	23.1 ON MAY 24	---	---	1909
1912	---	25.5 ON JUL 8	---	---	1912
1913	---	15.5 ON MAY 14	---	---	1913
1914	---	8.01 ON JUN 14	---	---	1914
1915	159 ON JUN 28	80.0 ON JUN 28	---	---	1915
1916	---	47.0 ON AUG 18	---	---	1916
1965	---	---	---	---	1965
1966	32.6 AT 08:00 MST ON JUN 10	24.6 ON JUN 9	0.0599 ON MAR 1	57 000	1966
1967	283 AT 22:00 MST ON MAY 30 *	184 ON MAY 31 *	0.0268 ON MAR 1	115 000	1967
1968	26.0 AT 10:15 MST ON JUN 8	20.2 ON JUN 8	0.0859 ON MAR 1	38 200	1968
1969	148 AT 14:25 MST ON JUN 29	109 ON JUN 29	0.0459 ON MAR 9	122 000	1969
1970	75.8 AT 08:35 MST ON JUN 14	58.1 ON JUN 14	0 B ON MAR 1 *	48 900	1970
1971	41.6 AT 13:00 MST ON JUN 6	30.9 ON JUN 6	0.0068 ON MAR 1	38 300	1971
1972	27.3 AT 22:00 MST ON APR 6	18.0 ON APR 6	0.0148 ON MAR 11	82 400	1972
1973	32.6 AT 18:00 MST ON MAY 26	24.6 ON MAY 27	0.1278 ON MAR 1	58 900	1973
1974	53.6 AT 23:30 MST ON APR 30	34.3 ON APR 30	0.0258 ON MAR 6	82 100	1974
1975	33.1 AT 20:00 MST ON JUN 20	26.9 ON JUN 20	0.0148 ON MAR 8	45 500	1975
1976	17.4 AT 20:00 MST ON AUG 9	13.0 ON AUG 10	0.0148 ON MAR 2	28 500	1976
1977	17.3 AT 22:30 MST ON APR 4	7.55 ON APR 5	0.0578 ON MAR 1	20 200	1977
1978	37.1 AT 08:00 MST ON MAY 31	27.3 ON MAY 31	0.0408 ON MAR 1	63 700	1978
1979	10.4 AT 03:00 MST ON APR 28	8.03 ON MAY 17	0.0178 ON MAR 1	38 000	1979
1980	36.5 AT 02:30 MST ON JUN 4	31.7 ON JUN 4	0.0148 ON MAR 24	45 500	1980
1981	45.2 AT 02:30 MST ON JUN 14	34.3 ON JUN 14	0.1198 ON MAR 9	81 800	1981
1982	18.1 AT 07:12 MST ON JUN 28	14.3 ON JUN 30	0.0088 ON MAR 1	27 900	1982
1983	32.6 AT 08:28 MST ON APR 25	21.8 ON APR 25	0.021 ON SEP 6	31 600	1983
1984	7.88 AT 13:00 MST ON JUN 9	7.12 ON JUN 9	0.0208 ON MAR 3	12 500	1984
				53 800	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	---	0.582	0.219	0.192	---	---	---	1909
1910	---	---	---	0.279	0.542	0.309	0.104	0.080	0.058	0.094	---	---	0.209	1910
1911	---	---	---	---	1.48	1.22	0.385	0.521	0.831	0.426	---	---	0.775	1911
1912	---	---	---	---	0.848	0.589	0.603	0.409	0.272	0.241	---	---	0.457	1912
1913	---	---	---	---	1.23	1.21	0.397	0.207	0.138	0.184	---	---	0.551	1913
1914	---	---	---	0.820	0.884	0.588	0.284	0.173	0.183	0.272	---	---	0.382	1914
1915	---	---	---	0.581	1.85	2.41	1.80	0.485	0.318	0.380	---	---	1.17	1915
1916	---	---	---	---	1.24	1.94	1.37	0.389	0.283	0.205	---	---	0.901	1916
1974	---	---	---	---	1.44	1.53	0.554	0.294	0.187	0.132	---	---	0.683	1974
1975	---	---	---	---	1.15	1.57	0.685	0.292	0.132	0.148	---	---	0.657	1975
1976	---	---	---	---	0.888	0.473	0.191	2.01	0.438	0.280	---	---	0.685	1976
1977	---	---	---	---	0.184	0.120	0.040	0.080	0.110	0.114	---	---	0.101	1977
1978	---	---	---	---	1.90	1.41	1.37	0.458	0.311	0.188	---	---	0.943	1978
1979	---	---	---	---	1.46	0.890	0.298	0.188	0.094	0.115	---	---	0.505	1979
1980	---	---	---	---	0.418	0.488	0.134	0.139	0.077	0.141	---	---	0.231	1980
1981	---	---	---	---	1.86	1.48	0.818	0.238	0.118	0.118	---	---	0.782	1981
1982	---	---	---	0.781	0.447	0.785	0.326	0.102	0.078	0.083	---	---	0.291	1982
1983	---	---	---	0.374	0.305	0.288	0.172	0.043	0.018	0.063	---	---	0.141	1983
1984	---	---	---	0.121	0.113	0.185	0.080	0.018	0.010	0.020	---	---	0.071	1984
MEAN	---	---	---	0.489	0.883	0.970	0.511	0.368	0.191	0.178	---	---	0.527	MEAN

LOCATION - LAT 49 39 27 N DRAINAGE AREA, 144 km^2
LONG 114 07 37 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1913

TODD CREEK AT ELTON'S RANCH - STATION NO. 05AA005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	0.884 ON MAY 18	0.020 ON AUG 21	3 170	1910
1911	---	4.11 ON MAY 17	0.258 ON SEP 1	12 300	1911
1912	---	1.84 ON JUN 16	0.170 ON OCT 6	7 270	1912
1913	---	1.93 ON MAY 31	0.110 ON OCT 31	6 840	1913
1914	---	1.70 ON JUN 26	0.099 ON AUG 16	5 590	1914
1915	---	7.67 ON JUN 26	0.249 ON SEP 2	16 500	1915
1916	---	3.86 ON JUN 29	0.042 ON OCT 30	14 300	1916
1974	---	2.23 ON MAY 30	0.084 ON SEP 26	10 900	1974
1975	10.5 ON JUN 20 *	5.84 ON JUN 20	0.074 ON OCT 1	10 600	1975
1976	---	12.4 ON AUG 5 *	0.122 ON JUL 26	10 900	1976
1977	---	0.280 ON MAY 23	0 ON JUL 18 *	1 680	1977
1978	---	5.68 ON JUL 8	0.1278 ON OCT 31	15 000	1978
1979	---	2.08 ON MAY 8	0.081 ON SEP 26	8 030	1979
1980	---	2.16 ON JUN 6	0.028 ON JUL 30	3 720	1980
1981	---	6.56 ON JUN 14	0.056 ON SEP 5	12 000	1981
1982	---	3.33 ON JUN 15	0.009 ON SEP 10	4 750	1982
1983	---	0.585 ON JUN 4	0 ON AUG 31	2 350	1983
1984	---	0.695 ON MAY 17	0 ON AUG 17	1 130	1984
				8 360	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TODD CREEK NEAR HIGHWAY NO 22 - STATION NO. 05AA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	---	0.423	0.696	---	---	---	0.104	---	---	---	1982
1983	---	---	---	0.320	0.280	0.321	0.192	0.081	0.080	0.058	---	---	0.171	1983
1984	---	---	---	---	0.368	0.256	0.103	---	---	0.043	---	---	---	1984
MEAN	---	---	---	0.320	0.324	0.424	0.148	0.081	0.080	0.071	---	---	0.171	MEAN

LOCATION - LAT 49 45 40 N, LONG 114 14 00 W
DRAINAGE AREA, 73.8 km^2
NATURAL FLOW
DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

TODD CREEK NEAR HIGHWAY NO 22 - STATION NO. 05AA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	---	---	---	---	1982
1983	2.08 AT 14:30 MST ON JUN 25 *	0.848 ON JUN 4	0.080 ON SEP 2 *	2 720	1983
1984	---	1.34 ON MAY 16 *	---	---	1984
				2 720	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TOMAHAWK CREEK NEAR TOMAHAWK - STATION NO. 05BE000

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	0.081	0.006	0.217	0.255	---	---	---	1984
MEAN	---	---	---	---	---	---	0.081	0.006	0.217	0.255	---	---	---	MEAN

LOCATION - LAT 53 24 21 N, LONG 114 45 41 W
DRAINAGE AREA, 105 km^2
NATURAL FLOW

TONGUEFLAG CREEK NEAR HIGH RIVER - STATION NO. 05BL018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	0.188	0.098	0.058	1.51	0.431	---	---	---	---	---	---	1923
1924	---	---	0.088	0.888	0.114	0.219	---	---	---	---	---	---	---	1924
1925	---	---	0.903	0.736	0.084	0.211	---	---	---	---	---	---	---	1925
1930	---	---	---	0.981	0.298	0.468	0.077	0.004	0.008	0.035	---	---	---	1930
1931	---	---	---	0.453	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	---	---	---	---	---	0.041	0.048	---	---	---	1935
1936	---	---	0.458	---	0.073	0.084	---	---	---	---	---	---	---	1936
MEAN	---	---	0.399	0.591	0.125	0.495	0.254	0.004	0.026	0.041	---	---	---	MEAN

LOCATION - LAT 50 35 00 N, LONG 113 52 00 W
DRAINAGE AREA, 287 km^2
NATURAL FLOW

TONGUEFLAG CREEK NEAR HIGH RIVER - STATION NO. 05BL015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	12.9 ON JUN 23 *	.08 ON MAR 3 *	---	1923
1924	---	5.618 ON APR 7	---	---	1924
1925	---	5.38 ON MAR 28	---	---	1925
1930	---	---	0 ON AUG 14	---	1930
1931	---	4.538 ON APR 6	---	---	1931
1935	---	---	---	---	1935
1936	---	---	---	---	1936
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

TOUGH CREEK NEAR BEAZER - STATION NO. 05AE039

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	0.243	0.735	0.586	0.284	0.180	0.178	---	---	---	---	1978
1979	---	---	---	---	1.38	0.443	0.123	0.041	0.028	0.047	---	---	0.346	1979
1980	---	---	---	---	1.10	0.764	0.137	0.120	0.117	0.106	---	---	0.386	1980
1981	---	---	---	---	2.41	0.856	0.287	0.071	0.026	0.052	0.048	0.021	0.632	1981
1982	---	---	---	---	0.388	0.456	0.124	0.028	0.030	0.087	---	---	0.182	1982
1983	---	---	---	---	0.386	0.200	0.049	0.019	0.020	0.034	---	---	0.118	1983
1984	---	---	---	---	0.105	0.083	---	---	0.011	0.013	---	---	---	1984
MEAN	---	---	---	0.243	0.931	0.489	0.166	0.073	0.056	0.053	0.048	0.021	0.333	MEAN

LOCATION - LAT 49 04 00 N, LONG 113 32 00 W. DRAINAGE AREA, 38.6 km^2, NATURAL FLOW. DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

TOUGH CREEK NEAR BEAZER - STATION NO. 05AE039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	3.54 ON MAY 31	---	---	1978
1979	2.50 AT 00:00 MST ON MAY 18	1.61 ON MAY 17	0.027 ON SEP 10	5 510	1979
1980	13.1 AT 13:30 MST ON MAY 26	11.5 ON MAY 26 *	0.051 ON AUG 2	8 180	1980
1981	13.8 AT 16:20 MST ON MAY 15 *	6.44 ON MAY 22	0.018 ON SEP 20	10 000	1981
1982	---	0.836 ON JUN 7	0.026 ON AUG 17	2 690	1982
1983	0.793 AT 12:40 MST ON MAY 21	0.706 ON MAY 21	0.016 ON AUG 14 *	1 680	1983
1984	---	0.306 ON JUN 22	---	---	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		5 290	MEAN

TRAPP CREEK NEAR LONGVIEW - STATION NO. 05BL027

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	2.73	1.12	---	---	0.488	---	---	---	1979
1980	---	---	---	---	2.49	4.61	1.14	1.40	1.24	1.10	---	---	1.95	1980
1981	---	---	---	---	5.69	4.51	3.04	1.82	1.01	0.949	---	---	2.97	1981
1982	---	---	---	---	1.15	3.12	1.41	0.595	0.585	0.585	---	---	1.23	1982
1983	---	---	---	---	2.80	2.04	1.27	0.638	0.492	0.427	---	---	1.28	1983
1984	---	---	---	---	1.19	2.25	0.824	0.484	0.391	0.341	---	---	0.923	1984
MEAN	---	---	---	---	2.88	3.18	1.48	1.00	0.740	0.598	---	---	1.67	MEAN

LOCATION - LAT 50 28 36 N, LONG 114 26 28 W. DRAINAGE AREA, 137 km^2, NATURAL FLOW

TRAPP CREEK NEAR LONGVIEW - STATION NO. 05BL027

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	12.4 AT 23:00 MST ON MAY 26	8.98 ON MAY 26	---	---	1979
1980	10.9 AT 22:00 MST ON JUN 8	8.91 ON JUN 10	0.520 ON AUG 4	31 000	1980
1981	33.8 E ON MAY 26 *	22.4 A ON MAY 26 *	0.592 ON OCT 23	47 200	1981
1982	4.83 AT 22:33 MST ON JUN 14	3.98 ON JUN 11	0.477 ON SEP 3	18 600	1982
1983	---	4.23 ON MAY 26	0.384 ON OCT 31	20 300	1983
1984	4.17 AT 21:22 MST ON MAY 30	3.18 ON JUN 23	0.1998 ON OCT 31 *	14 700	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		28 500	MEAN

TROUT CREEK NEAR GRANUM - STATION NO 05AB005

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	---	---	1.41	0.850	0.776	---	---	---	1908
1911	---	---	---	0.383	0.728	1.02	0.550	2.05	2.13	1.52	---	---	---	1911
1912	---	---	---	1.21	1.73	1.87	1.96	1.26	0.722	0.805	---	---	---	1912
1913	---	---	---	---	2.75	2.33	2.33	0.909	0.514	0.480	---	---	---	1913
1914	---	---	---	0.886	0.546	0.480	0.456	0.289	0.185	0.303	---	---	---	1914
1915	---	---	---	0.729	5.84	8.83	7.08	2.77	1.37	0.902	---	---	---	1915
1916	---	---	---	---	2.81	8.46	3.11	1.42	1.83	1.22	---	---	---	1916
1917	---	---	---	0.847	8.74	11.3	2.89	1.12	0.747	0.483	---	---	---	1917
1918	---	---	---	0.545	0.393	0.484	0.301	0.177	0.188	0.352	---	---	---	1918
1919	---	---	0.089	0.387	0.487	0.284	0.098	0.081	0.077	0.092	---	---	0.189	1919
1922	---	---	0.118	1.23	2.00	1.17	0.721	0.234	0.121	0.132	---	---	0.712	1922
1923	---	---	0.211	0.415	0.908	14.8	5.06	1.74	0.887	0.935	---	---	3.04	1923
1977	---	---	---	---	---	0.068	0.010	0.026	0.040	0.049	---	---	---	1977
1978	---	---	1.06	0.473	1.87	3.47	1.09	0.537	0.432	0.295	---	---	1.18	1978
1979	---	---	0.525	0.879	2.71	1.48	0.501	0.251	0.138	0.124	---	---	0.827	1979
1980	---	---	0.288	0.488	0.236	0.507	0.117	0.087	0.055	0.088	---	---	0.232	1980
1981	---	---	0.128	0.103	2.65	3.09	1.33	0.870	0.297	0.249	---	---	1.08	1981
1982	---	---	0.211	0.532	0.168	0.618	0.485	0.127	0.081	0.100	---	---	0.281	1982
1983	---	---	0.219	0.218	0.177	0.218	0.128	0.003	0	0.008	---	---	0.121	1983
1984	---	---	0.104	0.067	0.058	0.029	0	0	0	0	---	---	0.034	1984
MEAN	---	---	0.295	0.576	1.92	3.24	1.48	0.773	0.567	0.417	---	---	0.789	MEAN

LOCATION - LAT 49 58 35 N DRAINAGE AREA, 440 km²
LONG 113 41 07 W NATURAL FLOW

TROUT CREEK NEAR GRANUM - STATION NO 05AB005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1908	---	---	---	---	1908
1911	---	4.56 ON SEP 11	---	---	1911
1912	---	3.20 ON JUN 18	---	---	1912
1913	---	4.28 ON JUN 11	---	---	1913
1914	---	1.42 ON APR 13	---	---	1914
1915	---	20.0 ON JUN 28	---	---	1915
1916	---	20.9 ON JUN 5	---	---	1916
1917	---	23.3 ON MAY 29	---	---	1917
1918	---	---	---	---	1918
1919	---	1.27 B ON APR 1	0 B ON MAR 1 B	4 140	1919
1922	---	4.62 ON APR 23	0 B ON MAR 1	15 100	1922
1923	---	42.7 ON JUN 1 B	0 1.16 B ON MAR 1	84 200	1923
1977	0.238 AT 05 15 MST ON JUN 16	---	0 ON JUL 18	---	1977
1978	7.56 AT 13 25 MST ON JUN 2	7.33 ON JUN 2	0 B ON MAR 1	24 300	1978
1979	4.25 AT 00 35 MST ON MAY 19	3.87 ON MAY 19	0.040 B ON MAR 1	17 500	1979
1980	1.03 AT 14 35 MST ON APR 15	0.915 ON APR 15	0.019 ON SEP 11	4 810	1980
1981	10.6 AT 21 50 MST ON MAY 24 B	7.85 ON MAY 24	0.040 B ON MAR 5	23 100	1981
1982	2.21 AT 00 30 MST ON JUN 6	1.82 ON JUN 6	0 B ON MAR 1	5 150	1982
1983	3.04 B AT 12 15 MST ON MAR 10	1.08 B ON MAR 10	0 ON AUG 2	2 550	1983
1984	0.198 AT 08 10 MST ON MAR 24	0.193 ON MAR 24	0 ON JUN 6	724	1984
MEAN				18 300	MEAN

B - ICE CONDITIONS > - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO 05BM009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	2.73	2.23	1.86	2.46	1.47	---	---	---	1951
1952	---	---	---	---	0.488	0.887	1.03	0.170	0.575	0.878	---	---	0.887	1952
1953	---	---	---	---	---	1.44	1.15	0.718	0.831	2.05	---	---	---	1953
1954	---	---	---	---	1.07	1.42	1.16	0.846	0.730	1.33	---	---	1.08	1954
1955	---	---	---	---	0.888	1.83	2.03	0.910	0.948	1.16	---	---	1.20	1955
1956	---	---	---	---	0.248	1.27	1.25	1.24	0.084	1.26	---	---	0.894	1956
1957	---	---	---	---	0.733	1.87	0.410	0.788	1.11	0.939	---	---	0.838	1957
1958	---	---	---	---	0.883	0.983	0.881	0.117	1.41	0.885	---	---	0.838	1958
1959	---	---	---	---	1.01	1.04	0.453	0.808	0.748	1.54	---	---	0.900	1959
1960	---	---	---	---	0.387	1.82	0.804	0.458	0.111	0.148	---	---	0.551	1960
1961	---	---	---	---	1.05	0.385	0.011	0.617	0.970	0.207	---	---	0.445	1961
1962	---	---	---	---	0.854	0.095	0.101	0.335	1.52	1.80	---	---	0.734	1962
1963	---	---	---	---	1.02	0.892	1.81	0.845	1.78	1.38	---	---	1.28	1963
1964	---	---	---	---	0.891	0.700	0.108	0.181	0.878	1.05	---	---	0.890	1964
1965	---	---	---	---	0.888	1.47	0.131	0.307	1.18	1.88	---	---	0.885	1965
1966	---	---	---	---	0.482	1.17	1.15	0.085	0.188	0.902	---	---	0.656	1966
1967	---	---	---	---	0.678	1.24	0.488	0.148	0.042	0.488	---	---	0.513	1967
1968	---	---	---	---	0.543	0.989	0.344	0.276	0.824	0.823	---	---	0.582	1968
1969	---	---	---	---	0.044	0.357	0.227	0.038	0.032	0.213	---	---	0.151	1969
1970	---	---	---	---	0.721	0.843	0.372	0.278	0.288	1.78	---	---	0.715	1970
1971	---	---	---	---	0.844	0.884	0.892	0.052	0.088	1.27	---	---	0.570	1971
1972	---	---	---	---	0.130	0.388	0.071	0.018	0.002	0.803	---	---	0.182	1972
1973	---	---	---	---	0.700	0.845	0.098	0.284	0.035	0.911	---	---	0.448	1973
1974	---	---	---	---	0.312	0.881	0.887	0.079	0.384	0.845	0.088	---	0.471	1974
1975	---	---	---	---	0.288	0.788	0.538	0.822	0.447	0.458	---	---	0.512	1975
1976	---	---	---	---	0.454	1.17	0.980	0.745	2.72	0.127	---	---	1.02	1976
1977	---	---	---	---	0.083	0.078	0.035	0.048	0.077	0.858	0.228	---	0.187	1977
1978	---	---	---	---	0.309	0.228	0.295	0.449	0.381	0.418	---	---	0.336	1978
1979	---	---	---	---	0.289	0.217	0.849	0.500	0.370	0.028	---	---	0.378	1979
1980	---	---	---	---	0.473	0.881	0.283	0.188	0.187	0.058	---	---	0.350	1980
1981	---	---	---	---	0.587	0.098	1.01	0.289	0.025	0.481	---	---	0.421	1981
1982	---	---	---	---	0.038	0.004	0.018	0.107	0.085	0.035	---	---	0.048	1982
1983	---	---	---	---	0.071	0	0.048	0.131	0.351	0.117	---	---	0.119	1983
1984	---	---	---	---	0.081	0.224	0.257	0.220	0.118	0.071	0.017	---	0.181	1984
MEAN	---	---	---	---	0.501	0.843	0.638	0.398	0.825	0.831	0.112	---	0.588	MEAN

LOCATION - LAT 50 50 25 N
LONG 113 34 25 W REGULATED

TWELVE MILE COULEE SPILLWAY NEAR CARSELAND - STATION NO 05BM009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	3.34 ON SEP 1	---	---	1951
1952	---	2.58 ON OCT 7	0.023 ON MAY 13	10 900	1952
1953	---	5.12 ON OCT 10 *	---	---	1953
1954	---	3.41 ON OCT 7	0 E ON MAY 25 *	16 800	1954
1955	---	5.93 ON JUL 4	0.020 ON JUN 8	15 000	1955
1956	---	4.33 ON AUG 28	0.031 ON MAY 21	14 200	1956
1957	---	2.97 ON JUN 10	0.042 ON MAY 28	14 800	1957
1958	---	3.82 ON JUL 2	0.003 ON MAY 4	13 300	1958
1959	---	3.00 ON MAY 5	0.020 ON JUL 20	14 300	1959
1960	---	2.93 ON JUN 23	0 ON OCT 15	6 780	1960
1961	---	3.06 ON MAY 22	0.006 ON JUL 10	7 080	1961
1962	---	2.75 ON OCT 15	0.006 ON MAY 17	11 700	1962
1963	---	4.70 ON JUL 9	0.040 ON MAY 26	15 900	1963
1964	---	2.93 ON OCT 12	0.006 ON JUL 15	8 740	1964
1965	---	2.97 ON JUN 14	0 ON JUL 28	14 100	1965
1966	---	3.66 ON OCT 14	0.036 ON MAY 15	10 400	1966
1967	---	3.15 ON JUN 13	0.014 ON OCT 15	8 180	1967
1968	---	3.36 ON OCT 9	0.0142 ON MAY 1	9 250	1968
1969	---	1.74 ON JUL 7	0.008 ON MAY 11	2 400	1969
1970	---	3.88 ON OCT 8	0.008 ON MAY 1	11 600	1970
1971	---	2.72 ON OCT 14	0.023 ON SEP 27	8 050	1971
1972	---	2.01 ON OCT 8	0 ON AUG 31	2 900	1972
1973	---	2.79 ON OCT 7	0.028 ON SEP 27	7 120	1973
1974	---	2.10 ON JUN 27	0.028 ON SEP 18	7 480	1974
1975	---	2.52 ON MAY 15	0.0188 ON OCT 29	8 150	1975
1976	---	3.66 ON SEP 11	0.054 ON MAY 17	15 300	1976
1977	---	1.51 ON OCT 7	0.018 ON AUG 1	3 130	1977
1978	---	1.95 ON OCT 8	0.034 ON OCT 30	5 350	1978
1979	---	1.38 A ON JUL 17	0.004 ON OCT 13	5 580	1979
1980	---	3.93 ON JUN 28	0 ON MAY 3	5 570	1980
1981	---	2.52 ON JUL 15	0.008 ON JUN 28	6 880	1981
1982	0.590 AT 17 27 MST ON MAY 15 *	0.338 ON MAY 15	0 ON MAY 22	708	1982
1983	---	0.576 ON SEP 29	0 ON MAY 31	1 880	1983
1984	---	0.541 ON JUN 10	0 ON MAY 1	2 580	1984
				9 330	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

TWELVE MILE CREEK NEAR CECIL - STATION NO 05BN002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1951	---	---	---	---	---	2 32	1 14	1 08	---	---	---	---	---	1951
1952	---	---	---	---	---	2 03	1 54	1 08	0 981	1 85	---	---	---	1952
1953	---	---	---	---	0 970	4 29	1 35	1 92	1 39	2 15	---	---	2 00	1953
1954	---	---	---	---	0 378	1 95	1 13	3 37	2 27	1 97	---	---	1 87	1954
1955	---	---	---	---	0 183	0 487	1 42	2 09	1 19	1 39	---	---	1 12	1955
1956	---	---	---	---	0 281	1 42	1 40	1 47	1 05	1 77	---	---	1 23	1956
1957	---	---	---	---	0 285	1 08	0 500	2 03	1 16	1 86	---	---	1 12	1957
1958	---	---	---	---	0 240	1 00	1 72	1 85	1 44	1 94	---	---	1 33	1958
1959	---	---	---	---	0 344	0 818	1 18	1 91	1 28	1 81	---	---	1 22	1959
1960	---	---	---	---	0 045	0 701	0 505	1 82	1 34	1 76	---	---	1 03	1960
1961	---	---	---	---	1 28	0 430	0 578	1 92	1 25	1 82	---	---	1 22	1961
1962	---	---	---	---	0 808	1 42	1 60	2 40	2 14	2 10	---	---	1 75	1962
1963	---	---	---	---	0 418	1 25	1 27	2 77	2 17	2 49	---	---	1 73	1963
1964	---	---	---	---	0 409	1 22	1 23	1 88	1 21	2 28	---	---	1 24	1964
1965	---	---	---	---	0 421	2 15	1 29	2 24	2 01	1 88	0 546	---	1 85	1965
1966	---	---	---	---	0 327	2 21	1 97	2 87	1 76	2 85	---	---	2 00	1966
1967	---	---	---	---	1 80	1 42	1 03	2 65	1 73	2 53	1 34	---	1 83	1967
1968	---	---	---	---	2 08	1 75	1 81	2 93	1 82	2 70	---	---	2 15	1968
1969	---	---	---	---	0 247	1 61	2 75	2 76	1 86	2 44	---	---	1 95	1969
1970	---	---	---	---	0 788	2 77	1 74	2 95	2 34	1 94	---	---	2 09	1970
1971	---	---	---	---	0 704	1 91	2 43	3 00	2 19	2 17	---	---	2 07	1971
1972	---	---	---	---	0 998	2 40	3 23	3 85	2 51	2 30	---	---	2 52	1972
1973	---	---	---	---	0 422	2 47	1 53	3 17	2 18	1 46	---	---	1 87	1973
1974	---	---	---	---	0 585	1 30	2 06	2 89	1 85	1 87	---	---	1 73	1974
1975	---	---	---	---	1 47	0 965	1 44	2 99	1 75	1 54	---	---	1 70	1975
1976	---	---	---	---	0 742	2 85	3 27	2 99	1 79	1 89	---	---	2 22	1976
1977	---	---	---	---	1 51	1 80	2 17	2 54	1 41	1 58	---	---	1 85	1977
1978	---	---	---	---	0 137	1 33	3 03	3 34	0 943	1 20	---	---	1 87	1978
1979	---	---	---	---	0 193	2 14	2 99	3 35	1 85	1 33	---	---	1 99	1979
1980	---	---	---	---	1 58	2 34	3 68	2 85	2 02	2 21	---	---	2 45	1980
1981	---	---	---	---	0 826	3 63	4 75	4 08	2 58	3 04	---	---	3 15	1981
1982	---	---	---	---	1 05	4 14	5 34	5 99	2 90	2 55	---	---	3 86	1982
1983	---	---	---	---	0 653	5 32	4 68	5 13	2 95	2 75	---	---	3 58	1983
1984	---	---	---	---	1 52	5 18	4 88	4 69	1 95	1 54	---	---	3 29	1984
MEAN	---	---	---	---	0 735	2 06	2 14	2 74	1 79	2 01	0 943	---	1 94	MEAN

LOCATION - LAT 50 09 00 N DRAINAGE AREA 2 780 km²
LONG 111 40 00 W REGULATED

TWELVE MILE CREEK NEAR CECIL - STATION NO 05BN002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1951	---	---	---	---	1951
1952	---	4 45 ON JUN 27	---	---	1952
1953	---	6 37 ON JUN 14	0 125 ON MAY 27	31 800	1953
1954	---	3 71 ON AUG 27	0 031 ON MAY 19	28 500	1954
1955	---	2 35 ON AUG 13	0 006 ON MAY 8	17 900	1955
1956	---	2 27A ON JUN 21	0 023A ON JUN 2	19 500	1956
1957	---	2 61 ON AUG 17	0 142E ON MAY 2	17 800	1957
1958	---	2 63 ON JUL 23	0 014E ON MAY 1	21 200	1958
1959	---	2 84 ON AUG 24	0 059 ON MAY 4	19 400	1959
1960	---	2 55 ON AUG 29	0 003 ON MAY 21	15 400	1960
1961	---	2 69 ON MAY 21	0 006 ON MAY 2	19 600	1961
1962	---	2 87 ON SEP 9	0 ON MAY 4 *	27 800	1962
1963	---	3 45 ON SEP 2	0 003 ON MAY 13	27 500	1963
1964	---	2 71 ON OCT 13	0 020 ON MAY 22	21 300	984
1965	---	3 11 ON SEP 3	0 029 ON MAY 17	29 300	1965
1966	---	3 88 ON OCT 23	0 014 ON MAY 13	31 700	1966
1967	---	3 40 ON AUG 17	0 180 ON JUN 2	29 100	1967
1968	---	3 17 ON OCT 15	0 007E ON MAY 1	34 200	1968
1969	---	3 26 ON JUL 30	0 031 ON MAY 13	30 900	1969
1970	---	4 70 ON JUN 19	0 028 ON MAY 9	33 190	1970
1971	---	3 54 ON AUG 28	0 034 ON MAY 14	32 600	1971
1972	---	4 33 ON JUL 30	0 071 ON MAY 2	40 000	1972
1973	---	8 47 ON JUN 18 *	0 018 ON MAY 12	29 700	1973
1974	---	3 88 ON AUG 19	0 119 ON MAY 7	27 400	1974
1975	---	4 22 ON AUG 7	0 088 ON MAY 18	27 000	1975
1976	---	4 39 ON AUG 5	0 007 ON MAY 3	35 300	1976
1977	---	3 20 ON AUG 9	0 E ON MAY 1	29 500	1977
1978	---	4 58 ON AUG 4	0 ON MAY 21	29 500	1978
1979	---	4 21 ON AUG 7	0 008 ON MAY 5	31 500	1979
1980	---	5 13 ON JUL 24	0 ON MAY 8	39 000	1980
1981	---	8 05 ON JUL 23	0 ON MAY 1	50 000	1981
1982	---	7 73 ON AUG 7	0 010 ON MAY 3	58 200	1982
1983	---	7 27 ON JUN 23	0 004 ON MAY 8	58 800	1983
1984	---	7 82 ON JUN 24	0 002E ON MAY 8	52 300	1984
		* - EXTREMES RECORDED FOR THE PERIOD OF RECORD		30 900	MEAN

A - MANUAL GAUGE
(SEE REFERENCE INDEX) E - ESTIMATED

TWIN CREEK NEAR SEEBE - STATION NO. 05BF018

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	0.042	0.218	0.138	0.043	0.026	0.017	0.011	0.008	---	1983
1984	0.008	0.006	0.008	0.007	0.028	0.340	0.118	0.026	0.031	0.030	0.015	0.010	0.081	1984
1985	0.008	0.007	0.006	0.008	0.022	0.283	0.188	0.089	0.039	0.055	0.027	0.014	0.087	1985
1986	0.010	0.008	0.006	0.008	0.091	0.219	0.113	0.033	0.020	0.017	0.010	0.008	0.045	1986
1987	0.008	0.005	0.005	0.004	0.038	0.293	0.124	0.029	0.015	0.011	0.008	0.008	0.045	1987
1988	0.005	0.004	0.003	0.003	0.033	0.208	0.107	0.043	0.043	0.035	0.012	0.010	0.042	1988
1989	0.008	0.007	0.005	0.010	0.094	0.255	0.148	0.030	0.018	0.013	0.009	0.008	0.060	1989
1970	0.004	0.004	0.003	0.002	0.028	0.234	0.082	0.021	0.014	0.010	0.008	0.006	0.033	1970
1971	0.004	0.004	0.002	0.004	0.067	0.328	0.080	0.027	0.014	0.011	0.008	0.008	0.047	1971
1972	0.005	0.005	0.004	0.005	0.043	0.334	0.138	0.048	0.027	0.020	0.012	0.007	0.054	1972
1973	0.004	0.003	0.001	0.001	0.058	0.229	0.108	0.031	0.030	0.017	0.011	0.009	0.042	1973
1974	0.004	0.001	0.001	0.002	0.013	0.310	0.130	0.048	0.034	0.023	0.014	0.009	0.048	1974
1975	0.006	0.004	---	---	---	0.183	0.112	0.049	0.027	0.015	0.009	0.004	---	1975
1976	---	---	---	---	0.097	0.185	0.116	0.060	0.060	0.029	0.017	0.012	---	1976
1977	0.006	0.005	0.005	0.007	0.047	0.112	0.036	0.057	0.043	0.024	0.014	0.009	0.030	1977
1978	0.007	0.005	0.004	0.005	0.031	0.248	0.112	0.037	0.024	0.025	0.013	0.009	0.044	1978
1979	0.005	0.004	0.002	0.002	0.038	0.187	0.055	0.023	0.015	0.010	0.007	0.007	0.028	1979
1980	0.005	0.004	0.004	0.011	0.133	0.188	0.044	0.038	0.052	0.040	0.018	0.010	0.048	1980
1981	0.008	0.005	0.006	0.008	0.136	0.215	0.145	0.051	0.021	0.013	0.008	0.006	0.053	1981
1982	0.004	0.003	0.002	0.002	0.023	0.234	0.088	0.028	0.021	0.019	0.011	0.007	0.037	1982
1983	0.006	0.004	0.004	0.005	0.050	0.148	0.088	0.028	0.018	0.011	0.008	0.005	0.033	1983
1984	0.005	0.004	0.004	0.005	0.023	0.177	0.089	0.024	0.019	0.025	0.011	0.007	0.031	1984
MEAN	0.006	0.005	0.004	0.005	0.054	0.230	0.105	0.040	0.028	0.021	0.012	0.008	0.043	MEAN

LOCATION - LAT 50 57 33 N DRAINAGE AREA, 2.64 km²
LONG 115 10 19 W NATURAL FLOW

TWIN CREEK NEAR SEEBE - STATION NO. 05BF018

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1983	0.714 AT 02 00 MST ON JUN 30	0.605 ON JUN 30	---	---	1983
1984	0.748 AT 10 00 MST ON JUN 8	0.594 ON JUN 8	0.004 ON MAR 7	1 320	1984
1985	0.705 AT 04 00 MST ON JUN 18	0.551 ON JUN 18	0.005 ON APR 18	1 810	1985
1986	0.402 AT 05 00 MST ON JUN 1	0.382 ON JUN 1	0.005 ON MAR 17	1 430	1986
1987	0.411 AT 12 30 MST ON JUN 18	0.402 ON JUN 18	0.004 ON MAR 10	1 420	1987
1988	0.346 AT 02 10 MST ON JUN 3	0.306 ON JUN 3	0.003 ON MAR 16	1 330	1988
1989	0.487 AT 16 40 MST ON JUN 4	0.402 ON JUN 4	0.006 ON MAR 10	1 580	1989
1970	0.538 AT 18 30 MST ON JUN 16	0.479 ON JUN 16	0.002 ON MAR 21	1 040	1970
1971	0.812 AT 14 00 MST ON JUN 5 *	0.618 ON JUN 5 *	0.002 ON MAR 13	1 480	1971
1972	0.620 AT 23 00 MST ON JUN 10	0.583 ON JUN 10	0.0048 ON FEB 28	1 700	1972
1973	0.438 AT 23 30 MST ON JUN 23	0.408 ON JUN 24	0.001 ON MAR 11	1 320	1973
1974	0.735 AT 23 10 MST ON JUN 16	0.680 ON JUN 17	0 ON MAR 27 *	1 550	1974
1975	0.287 AT 20 00 MST ON JUN 24	0.281 ON JUN 25	---	---	1975
1976	0.277 AT 03 30 MST ON JUN 20	0.263 ON JUN 20	---	---	1976
1977	0.275 AT 20 30 MST ON JUN 1	0.241 ON JUN 8	0.005 ON JAN 24	858	1977
1978	0.447 AT 23 45 MST ON JUN 5	0.386 ON JUN 9	0.004 ON MAR 2	1 380	1978
1979	0.288 AT 16 00 MST ON JUN 12	0.256 ON JUN 12	0.002 ON FEB 28	881	1979
1980	0.319 AT 01 30 MST ON JUN 12	0.305 ON JUN 12	0.003 ON APR 8	1 430	1980
1981	0.474 AT 00 00 MST ON MAY 27	0.417 ON MAY 27	0.004 ON DEC 29	1 870	1981
1982	0.482 AT 20 33 MST ON JUN 15	0.463 ON JUN 16	0.002 ON JAN 9	1 160	1982
1983	0.376 AT 20 38 MST ON MAY 29	0.377 ON MAY 30	0.003 ON MAR 22	1 030	1983
1984	0.339 AT 01 15 MST ON JUN 15	0.316 ON JUN 15	0.003 ON MAR 24	883	1984
				1 390	MEAN

E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD

TYRRELL LAKE OUTFLOW NEAR DAYTON - STATION NO. 05AF031

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	0	0.022	0.233	0.067	0.016	0.015	0.010	0.017	0.004	---	---	0.065	1982
1983	---	---	0.030	0.021	0.011	0	0.002	0.002	0	0.011	---	---	0.010	1983
1984	---	---	0.016	0.003	0.002	0.001	0	0.001	0.002	0.007	---	---	0.004	1984
MEAN	---	0	0.022	0.086	0.030	0.006	0.006	0.004	0.006	0.007	---	---	0.029	MEAN

LOCATION - LAT 49 25 57 N DRAINAGE AREA, 898 km²
LONG 112 10 40 W REGULATED

TYRRELL LAKE OUTFLOW NEAR DAYTON - STATION NO. 05AF031

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1982	0.251 AT 19 20 MST ON APR 16 *	0.237 ON APR 17 *	0 ON MAR 1 *	950	1982
1983	0.2668 AT 09 15 MST ON MAR 13	0.078 ON MAR 14	0 ON MAY 28	302	1983
1984	0.049 AT 21 05 MST ON MAR 21	0.034 ON MAR 23	0 ON APR 17	96.9	1984
				409	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO 05AD013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1923	---	---	---	---	---	---	---	0 919	0 812	1 08	---	---	---	1923
1924	---	---	---	0	1 27	0 895	2 94	1 00	1 31	1 23	0 088	---	1 10	1924
1925	---	---	---	0	0 878	1 74	4 10	2 32	0 828	0 068	0	---	1 51	1925
1926	---	---	---	0 788	1 58	2 96	3 58	2 11	0 529	0 811	0	---	1 45	1926
1927	---	---	---	0	0 087	0 278	1 36	1 39	1 37	0 875	0	---	0 656	1927
1928	---	---	---	0	0 850	0 851	0 678	1 44	1 08	0 573	0	---	0 897	1928
1929	---	---	---	0	0 214	0 606	1 50	2 58	0 606	0 982	0 078	---	0 879	1929
1930	---	---	---	0	0 383	1 50	3 55	2 45	1 58	1 18	0 889	---	1 41	1930
1946	---	---	---	0 492	1 88	2 01	3 01	3 88	1 48	1 09	0	---	1 72	1946
1947	---	---	---	0	1 83	2 25	3 81	3 35	1 35	0 940	0 247	---	1 72	1947
1948	---	---	---	0	0 038	0 488	1 58	1 82	1 87	1 82	0 108	---	0 918	1948
1949	---	---	---	0 004	1 13	2 58	4 43	3 27	1 85	0 703	0	---	1 72	1949
1950	---	---	---	0	0 481	2 24	2 28	2 26	1 70	0 638	0	---	1 20	1950
1951	---	---	---	0	0 033	0 247	0 743	2 14	0 433	0 863	0	---	0 583	1951
1952	---	---	---	0	1 08	1 92	1 85	1 30	1 33	1 55	0	---	1 15	1952
1953	---	---	---	0 004	0 509	0 058	1 45	3 08	1 58	1 07	0 107	---	1 04	1953
1954	---	---	---	0	0 205	2 02	2 93	2 84	1 47	1 45	0	---	1 35	1954
1955	---	---	---	0	0 068	2 01	0 652	2 87	1 75	1 27	0	---	1 05	1955
1956	---	---	---	0	0 593	2 83	1 39	2 13	1 57	1 25	0	---	1 20	1956
1957	---	---	---	0	0 899	1 98	3 79	2 83	2 13	0 912	0	---	1 58	1957
1958	---	---	---	0 075	0 988	1 95	1 34	2 03	1 55	2 13	0 318	0 057	1 30	1958
1959	0 028	0 059	0 085	0 147	0 492	2 21	2 89	3 29	1 53	1 14	0	---	1 47	1959
1960	---	---	---	0 040	0 338	3 28	3 57	1 88	1 88	1 14	0 289	---	1 58	1960
1961	---	---	0 107	0 350	0 704	4 84	3 59	2 85	2 07	1 33	0 188	---	1 97	1961
1962	---	---	0 057	0 084	1 38	3 32	3 64	3 30	1 68	0 788	0 353	---	1 81	1962
1963	---	---	0 011	0 069	3 05	3 38	2 20	3 53	1 83	1 84	0 307	---	2 03	1963
1964	---	---	---	0	0 141	1 33	3 38	4 00	0 776	1 19	0 713	---	1 45	1964
1965	---	---	---	0	0 484	1 45	1 18	2 48	0 761	0 931	0 184	---	0 932	1965
1966	---	---	0	0 008	0 846	0 883	2 02	2 40	1 04	0 878	0	---	1 02	1966
1967	---	---	0	0	0	0 098	2 48	3 11	2 20	1 32	0 038	---	1 18	1967
1968	---	---	---	0	0 128	1 74	2 35	1 37	0 318	0 497	0 085	---	0 818	1968
1969	---	---	---	0	0 392	1 19	0 851	2 82	1 48	1 11	0 025	---	0 958	1969
1970	---	---	---	0	0 424	2 08	2 04	3 73	0 949	0 781	0	---	1 13	1970
1971	---	---	---	0	0 402	2 18	2 38	3 27	1 47	0 028	0	---	1 22	1971
1972	---	---	---	0	0 459	2 38	0 492	2 11	1 38	1 02	0	---	0 877	1972
1973	---	---	---	0 005	2 09	3 83	4 35	2 96	1 72	0 811	0	---	1 87	1973
1974	---	---	---	0	0	2 03	3 48	2 36	0 808	1 52	0 020	---	1 28	1974
1975	---	---	---	0	0	0 839	1 43	1 84	1 58	1 23	0	---	0 864	1975
1976	---	---	---	0	0 398	2 08	1 46	0 731	1 43	0 951	0 008	---	0 880	1976
1977	---	---	---	0 130	3 27	4 44	3 70	1 57	0 535	0 830	0	---	1 82	1977
1978	---	---	---	0	0 714	1 13	0 524	0 939	0 753	0 900	0	---	0 822	1978
1979	---	---	---	0	0 398	2 32	3 01	1 80	0 987	1 28	0	---	1 23	1979
1980	---	---	---	0	1 82	0 280	2 61	1 81	1 04	0 875	0	---	1 04	1980
1981	---	---	---	0	0 145	0 228	1 32	1 99	1 88	0 380	0	---	0 717	1981
1982	---	---	---	0	0 328	1 85	2 10	2 81	1 82	0 522	0	---	1 12	1982
1983	---	---	---	0	0 720	3 17	2 76	2 71	1 15	3 718	0	---	1 41	1983
1984	---	---	---	0	1 50	2 44	2 84	1 89	1 32	0 874	0	---	1 31	1984
MEAN	0 028	0 059	0 043	0 047	0 758	1 84	2 46	2 34	1 31	0 998	0 092	0 057	1 24	MEAN

LOCATION - LAT 49 13 04 N
LONG 113 37 56 W REGULATED

UNITED IRRIGATION DISTRICT CANAL NEAR HILL SPRING - STATION NO. 05AD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1923	---	---	---	---	
1924	---	4.02 ON JUL 19	0 ON APR 1 *	23 200	1924
1925	---	5.24 ON JUL 13 *	0 ON APR 1	31 700	1925
1926	---	7.87 ON JUN 9	0 ON APR 1	30 600	1926
1927	---	1.87E ON OCT 20	0 ON APR 1	13 900	1927
1928	---	2.88 ON AUG 25	0 ON APR 1	14 700	1928
1929	---	5.32 ON AUG 3	0 ON APR 1	18 500	1929
1930	---	6.48E ON JUL 9	0 ON APR 1	29 700	1930
1946	---	5.83E ON AUG 4	0 ON APR 1	35 200	1946
1947	---	5.92 ON JUL 18	0 ON APR 1	36 300	1947
1948	---	3.88 ON JUL 7	0 ON APR 1	19 400	1948
1949	---	6.17 ON JUL 14	0 ON APR 1	36 200	1949
1950	---	5.27 ON JUN 18	0 ON APR 1	25 400	1950
1951	---	3.78 ON AUG 8	0 ON APR 1	11 900	1951
1952	---	5.01 ON JUN 11	0 ON APR 1	24 200	1952
1953	---	3.57 ON AUG 20	0 ON APR 1	21 800	1953
1954	---	3.84 ON AUG 6	0 ON APR 1	25 400	1954
1955	---	4.67 ON JUN 24	0 ON APR 1	22 200	1955
1956	---	5.01 ON JUN 14	0 ON APR 1	28 300	1956
1957	---	4.53 ON JUL 18	0 ON APR 1	33 300	1957
1958	---	3.77 ON AUG 24	0 ON MAY 8	27 500	1958
1959	---	4.98 ON AUG 6	0 ON MAY 1	31 000	1959
1960	---	5.21 ON JUN 17	0.0038 ON APR 1	32 800	1960
1961	---	5.28 ON JUN 19	0.0388 ON NOV 12	41 400	1961
1962	---	5.15 ON JUN 12	0 ON OCT 7	38 100	1962
1963	---	5.21 ON JUN 4	0 ON NOV 18	42 800	1963
1964	---	4.78 ON JUL 31	0 ON APR 1	30 500	1964
1965	---	3.65 ON AUG 3	0 ON APR 1	19 500	1965
1966	---	3.71 ON AUG 5	0 ON APR 1	21 500	1966
1967	---	3.89 ON SEP 12	0 ON APR 1	24 500	1967
1968	---	3.03 ON AUG 14	0 ON APR 1	17 200	1968
1969	---	3.14 ON AUG 8	0 ON APR 1	20 200	1969
1970	---	3.96 ON JUN 12	0 ON APR 1	23 800	1970
1971	---	3.79 ON JUL 28	0 ON APR 1	25 700	1971
1972	---	3.48 ON JUN 11	0 ON APR 1	20 600	1972
1973	---	5.64 ON JUN 8	0 ON APR 1	41 500	1973
1974	---	5.68 ON JUL 28	0 ON APR 1	27 000	1974
1975	---	5.35 ON JUL 30	0 E ON APR 1	18 200	1975
1976	---	4.70 ON JUN 10	0 ON APR 1	18 500	1976
1977	---	5.76 ON MAY 12	0 ON APR 1	28 300	1977
1978	---	4.11 ON MAY 12	0 ON APR 1	13 100	1978
1979	---	3.68 ON JUN 17	0 ON APR 1	25 600	1979
1980	---	3.80 ON JUL 28	0 E ON APR 1	21 800	1980
1981	---	3.08 ON AUG 11	0 ON APR 1	16 100	1981
1982	---	3.34 ON AUG 17	0 ON APR 1	23 600	1982
1983	---	3.88 ON AUG 4	0 ON APR 1	29 700	1983
1984	---	3.32 ON JUN 17	0 ON APR 1	27 700	1984
				26 100	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNITED STATES ST. MARY CANAL AT INTAKE - STATION NO. 05AE026

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	---	---	---	0	0	12.7	18.9	9.82	1.12	0	0	---	5.79	1918
1919	---	---	---	3.58	14.8	14.1	14.0	14.2	5.01	1.52	0	---	9.61	1919
1920	---	---	---	0	2.24	13.9	16.9	11.8	0	0	0	---	5.31	1920
1921	---	---	---	0	4.08	11.8	11.1	3.88	0	0	0	---	4.42	1921
1922	---	---	---	0	1.58	8.04	11.2	10.8	6.41	0	0	---	5.41	1922
1923	---	---	---	0	8.71	13.3	11.5	10.5	1.88	0	0	---	6.30	1923
1924	---	---	---	0	8.55	10.3	13.6	18.0	3.14	0	0	---	7.41	1924
1925	---	---	---	0.258	11.4	16.3	17.3	15.8	12.1	4.43	0	---	11.1	1925
1926	---	---	---	3.85	13.9	16.9	16.7	3.28	3.14	0	0	---	7.86	1926
1927	---	---	---	0	---	---	13.6	14.1	0	0	0	---	---	1927
1928	---	---	---	0	0	14.4	10.1	13.0	1.21	0	0	---	5.53	1928
1929	---	---	---	0.721	1.88	11.1	15.1	14.8	8.89	2.92	0.210	---	7.90	1929
1930	---	---	---	0	0	10.8	18.1	15.5	5.48	0	0	---	7.30	1930
1931	---	---	---	2.07	11.7	17.4	16.3	17.8	2.78	1.98	0.536	---	10.3	1931
1932	---	---	---	7.95	16.7	15.0	18.7	19.8	8.50	0.848	0	---	12.3	1932
1933	---	---	---	0.599	13.8	16.1	20.0	19.8	6.83	3.42	0	---	11.8	1933
1934	---	---	---	3.56	21.0	19.0	23.2	20.3	0.957	0.276	0	---	12.7	1934
1935	---	---	---	0.037	12.8	18.8	23.7	19.4	8.53	0.523	0	---	12.0	1935
1936	---	---	---	0.350	15.7	22.6	24.5	15.5	2.20	1.38	0.187	---	11.8	1936
1937	---	---	---	0.847	17.2	9.68	21.7	23.5	4.88	0.014	0	---	11.1	1937
1938	---	---	---	3.89	12.1	18.7	21.1	21.7	4.15	2.08	2.38	---	12.2	1938
1939	---	---	---	4.86	18.2	21.6	22.3	14.8	0.398	1.28	5.07	---	12.0	1939
1940	---	---	---	0	13.7	19.3	21.8	11.9	0.592	0.527	7.17	---	9.74	1940
1941	---	---	---	3.12	16.6	17.6	21.2	7.86	2.29	0	0	---	8.83	1941
1942	---	---	---	8.34	20.1	5.33	21.4	18.3	14.4	0.186	0.007	---	12.6	1942
1943	---	---	---	0	0.379	11.5	18.3	18.7	16.7	1.87	0	---	8.81	1943
1944	---	---	---	3.61	15.4	13.6	13.8	10.0	1.78	0.400	0	---	8.41	1944
1945	---	---	---	2.29	16.5	17.7	18.7	18.9	18.5	2.31	0	---	13.8	1945
1946	---	---	---	12.4	17.2	18.0	18.6	17.8	18.3	0.118	0	---	14.5	1946
1947	---	---	---	0	8.38	14.8	18.4	17.8	13.8	0.181	0	---	10.2	1947
1948	---	---	---	0	3.55	8.83	15.7	16.8	14.3	0	0	---	8.42	1948
1949	---	---	---	0.901	16.8	17.8	17.6	16.9	8.78	0	0	---	11.6	1949
1950	---	---	---	0	3.81	11.6	16.4	16.3	16.3	16.2	0.283	---	11.3	1950
MEAN	---	---	---	1.92	10.5	14.6	17.5	15.0	6.31	1.22	0.680	---	9.88	MEAN

LOCATION - LAT 48 51 10 N
LONG 113 24 50 W
REGULATED
INTERNATIONAL GAUGING STATION

UNITED STATES ST. MARY CANAL AT INTAKE - STATION NO. 05AE028

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	17.7 ON JUN 27	0 ON APR 1 *	107 000	1918
1919	---	15.6 ON MAY 15	0 ON APR 1	178 000	1919
1920	---	15.5 ON AUG 6	0 ON APR 1	117 000	1920
1921	---	14.7 ON JUN 17	0 ON APR 1	81 800	1921
1922	---	15.4 ON AUG 15	0 ON APR 1	100 000	1922
1923	---	15.5 ON JUL 15	0 ON APR 1	116 000	1923
1924	---	20.4 ON AUG 22	0 ON APR 1	137 000	1924
1925	---	15.5A ON AUG 15	0 ON APR 1	208 000	1925
1926	---	15.8 ON MAY 24	0 ON APR 1	142 000	1926
1927	---	15.7 ON AUG 6	0 E ON APR 1	---	1927
1928	---	15.1 ON JUN 15	0 ON APR 1	102 000	1928
1929	---	15.8 ON JUL 10	0 ON APR 1	145 000	1929
1930	---	15.2 ON JUL 8	0 ON APR 1	135 000	1930
1931	---	15.4 ON JUL 3	0 ON APR 1	191 000	1931
1932	---	20.8 ON JUL 28	0 ON APR 1	227 000	1932
1933	---	20.8A ON AUG 10	0 ON APR 1	216 000	1933
1934	---	23.3 ON MAY 30	0 ON APR 1	234 000	1934
1935	---	24.3 ON JUL 28	0 ON APR 1	222 000	1935
1936	---	24.7 ON MAY 26 *	0 ON APR 1	219 000	1936
1937	---	23.3 ON AUG 1	0 ON APR 1	204 000	1937
1938	---	22.4 ON JUL 7	0 ON APR 1	225 000	1938
1939	---	22.7 ON JUL 23	0 ON APR 1	222 000	1939
1940	---	23.2 ON JUL 28	0 ON APR 1	180 000	1940
1941	---	22.3 ON JUN 3	0 ON APR 1	182 000	1941
1942	---	23.1 ON JUL 25	0 ON APR 1	233 000	1942
1943	---	18.8 ON JUL 23	0 ON APR 1	185 000	1943
1944	---	19.7 ON JUL 21	0.238 ON OCT 31	165 000	1944
1945	---	19.5 ON JUL 28	0 ON APR 1	251 000	1945
1946	---	19.3 ON JUN 22	0.0888 ON OCT 30	266 000	1946
1947	---	18.7 ON JUL 10	0 ON APR 1	188 000	1947
1948	---	18.0 ON JUL 21	0 ON APR 1	156 000	1948
1949	---	16.8 ON MAY 13	0 ON APR 1	210 000	1949
1950	---	18.7 ON JUN 22	0 ON APR 1	208 000	1950
				170 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1975	---	---	---	---	---	---	---	---	1.07	0.549	0.324	0.076	---	1975
1976	0.040	0.079	0.085	1.21	0.383	0.247	0.288	0.251	---	---	---	0.029	---	1976
1977	0.071	0.088	0.054	0.818	0.387	0.487	0.745	0.289	0.224	0.428	0.108	0.053	0.285	1977
1978	0.043	0.038	0.055	0.490	1.80	1.80	0.324	0.384	2.85	1.30	0.352	0.184	0.788	1978
1979	0.106	0.080	0.078	0.288	3.70	0.812	0.332	0.317	0.450	0.324	0.180	0.083	0.587	1979
1980	0.074	0.035	0.048	0.620	0.177	0.198	0.138	0.417	0.335	0.218	0.150	0.049	0.205	1980
1981	0.083	0.057	0.084	0.282	0.853	0.212	0.130	0.089	0.148	0.188	---	---	---	1981
1982	---	---	0.011	0.110	1.31	0.377	0.081	0.087	0.072	0.087	---	---	---	1982
1983	---	---	0.050	0.278	0.478	0.070	0.268	0.370	0.109	0.205	---	---	---	1983
1984	---	---	0.078	0.884	0.422	---	---	1.04	0.574	0.772	---	---	---	1984
MEAN	0.066	0.065	0.060	0.493	1.08	0.500	0.300	0.387	0.625	0.480	0.223	0.080	0.458	MEAN

LOCATION - LAT 57 38 41 N
LONG 111 31 11 W
DRAINAGE AREA, 274 km^2
NATURAL FLOW

UNNAMED CREEK NEAR FORT MACKAY - STATION NO. 07DA011

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1975	---	---	---	---	1975
1976	3.76 AT 11:50 MST ON APR 15	3.97A ON APR 15	0.0288 ON DEC 11	---	1976
1977	3.06 AT 02:07 MST ON JUL 5	2.78 ON JUL 5	0.0378 ON MAR 21	8 990	1977
1978	5.38 AT 01:50 MST ON SEP 11	5.15 ON SEP 11	0.0318 ON FEB 3	24 200	1978
1979	5.14 AT 03:00 MST ON MAY 17 *	5.05 ON MAY 17 *	0.019 ON APR 22 *	17 800	1979
1980	3.508 AT 13:50 MST ON APR 14	1.588 ON APR 15	0.0388 ON FEB 12	8 480	1980
1981	---	2.348 ON MAY 1	---	---	1981
1982	2.348 AT 21:00 MST ON MAY 17	1.958 ON MAY 18	---	---	1982
1983	1.98 AT 05:50 MST ON JUL 30	1.78 ON JUL 30	---	---	1983
1984	---	---	---	---	1984
				14 490	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

UPPER CHAIN LAKE OUTLET NEAR PONOKA - STATION NO. 05CD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1928	---	---	---	---	0.021	0.038	0.018	0.014	0.021	---	---	---	---	1928
1929	---	---	---	---	0.055	0.042	---	---	---	---	---	---	---	1929
MEAN	---	---	---	---	0.038	0.039	0.018	0.014	0.021	---	---	---	---	MEAN

LOCATION - LAT 52 28 00 N
LONG 113 28 00 W
DRAINAGE AREA, 75.9 km²
NATURAL FLOW

VERMILION RIVER AT LEA PARK - STATION NO. 05EE002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	---	0.043	0.048	0.042	---	1984
1985	0.042	0.032	0.038	21.6	11.2	7.02	4.91	7.28	3.84	1.23	0.772	0.784	4.80	1985
1986	0.287	0.274	0.878	3.49	3.02	1.10	0.400	0.288	0.237	0.181	0.183	0.127	1.36	1986
1987	0.087	0.113	0.175	0.831	7.11	1.85	0.375	0.078	0.028	0.088	0.093	0.104	0.910	1987
1988	0.054	0.065	10.8	5.45	1.72	0.532	0.168	0.135	0.464	0.512	0.308	0.247	1.72	1988
1989	0.271	0.203	0.195	21.7 R	12.1	2.17	1.31	0.693	0.231	0.284	---	---	---	1989
1990	---	---	---	---	4.35	1.56	2.16	1.23	0.473	0.389	---	---	---	1990
MEAN	0.148	0.141	2.41	11.8 R	5.87	2.34	1.55	1.20	0.579	0.400	0.277	0.257	2.22	MEAN

LOCATION - LAT 53 38 20 N
LONG 110 20 20 W
DRAINAGE AREA, 7 940 km²
REGULATED

R - REVISED SINCE JAN 1990

VERMILION RIVER AT LEA PARK - STATION NO. 05EE002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1984	---	---	---	---	1984
1985	---	77.3 ON APR 14 *	0.0288 ON FEB 21	154 000	1985
1986	---	30.6 ON APR 6	0.0309 ON DEC 27	43 000	1986
1987	---	15.6 ON MAY 22	0.017 ON AUG 18 *	28 700	1987
1988	---	24.9B ON MAR 6	0.0458 ON JAN 9	54 400	1988
1989	---	74.8R ON APR 13	0.108 ON OCT 1	---	1989
1990	---	---	---	---	1990
MEAN				70 000	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1990

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO. 05EE015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.332	0.002	0	0	0	0	0	---	---	0.047	1981
1982	---	---	---	0.150	0.383	0	1.88	0.118	0.008	0	---	---	0.383	1982
1983	---	---	0.001	1.31	0.008	1.21	2.40	0.005	0	0	---	---	0.702	1983
MEAN	---	---	0.001	0.597	0.131	0.403	1.43	0.041	0.003	0	---	---	0.371	MEAN

LOCATION - LAT 53 10 37 N
LONG 112 04 05 W
DRAINAGE AREA, 473 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

VERMILION RIVER DRAINAGE NEAR BRUCE - STATION NO. 05EE015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1981	1.44 AT 23:15 MST ON APR 4	1.37 ON APR 4	0 ON MAY 7 *	888	1981
1982	3.49 AT 15:15 MST ON JUL 9	2.45 ON JUL 9	0B ON APR 1	6 700	1982
1983	10.8 AT 11:25 MST ON JUN 25 *	7.93 ON JUN 25 *	0 ON MAY 13	13 000	1983
				6 880	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1981	---	---	---	0.001	0.006	0	0.022	0.027	0	0	---	---	0.010	1981
1982	---	---	---	0.002	0.133	0.008	0.458	0.008	0.001	0	---	---	0.088	1982
1983	---	---	0	0.288	0	0.337	0.281	0.001	0.007	0	---	---	0.115	1983
1984	---	---	0.044	0.011	0	0.018	0.001	0	0.004	0	---	---	0.005	1984
MEAN	---	---	0.022	0.088	0.032	0.085	0.190	0.009	0.003	0	---	---	0.055	MEAN

LOCATION - LAT 53 06 02 N
LONG 112 24 19 W
DRAINAGE AREA, 88.4 km²
NATURAL FLOW

DATA CONTRIBUTED BY -
ALBERTA DEPARTMENT OF THE ENVIRONMENT

VERMILION RIVER DRAINAGE NEAR HOLDEN - STATION NO. 05EE013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1981	---	0.284 ON AUG 8	0 ON APR 28 *	387	1981
1982	1.24 AT 18:41 MST ON JUL 8	1.21 ON JUL 7	0B ON APR 1	1 880	1982
1983	2.21 AT 08:41 MST ON JUN 28 *	1.01 ON JUL 3 *	0 ON APR 25	2 130	1983
1984	---	0.168 ON JUN 9	0 ON APR 18	83.5	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 040	MEAN

VERMILION RIVER NEAR HAZELDINE - STATION NO. 05EE004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.215	18.8	22.0	4.73	2.82	1.21	0.414	0.348	---	---	5.30	1971
1972	---	---	0.784	15.3	15.0	2.88	0.888	0.533	0.325	0.328	---	---	4.48	1972
1973	---	---	0.111	14.8	8.45	2.98	3.88	7.43	11.0	4.88	---	---	6.34	1973
1974	---	---	0.324	54.9	85.7	17.0	4.29	1.70	---	---	---	---	---	1974
1975	---	---	0.242	4.12	8.52	3.23	1.23	0.559	0.314	0.296	---	---	2.31	1975
1976	---	---	0.208	3.76	1.20	0.840	0.818	0.377	0.141	0.185	---	---	0.962	1976
1977	---	---	0.167	1.22	2.07	0.878	0.188	0.118	0.109	0.182	---	---	0.812	1977
1978	---	---	0.337	3.72	1.35	0.730	0.114	0.193	0.178	1.04	---	---	0.950	1978
1979	---	---	0.210	12.5	21.8	---	---	---	---	---	---	---	---	1979
MEAN	---	---	0.289	14.3	18.0	4.17	1.76	1.52	1.78	1.01	---	---	3.13	MEAN

LOCATION - LAT 53 37 37 N
LONG 110 25 20 W
DRAINAGE AREA, 7 630 km^2
REGULATED

VERMILION RIVER NEAR HAZELDINE - STATION NO. 05EE004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	81.2 AT 21:00 MST ON APR 18	53.5 ON APR 18	0.1888 ON MAR 1	133 000	1971
1972	---	41.3 ON APR 15	0.1278 ON MAR 1	95 100	1972
1973	84.8 AT 15:00 MST ON APR 12	52.4 ON APR 12	0.0828 ON MAR 1	134 000	1973
1974	157 AT 15:00 MST ON APR 20 *	154 ON APR 20 *	---	---	1974
1975	---	15.7 B ON APR 23	0.2278 ON MAR 9	48 800	1975
1976	11.0 AT 09:30 MST ON APR 8	10.4 ON APR 8	0.118 ON SEP 18	19 800	1976
1977	4.48 AT 14:00 MST ON MAY 17	4.35 ON MAY 17	0.093 ON SEP 3	13 000	1977
1978	11.4 AT 21:00 MST ON APR 22	11.2 ON APR 22	0.0288 ON MAR 1 *	20 100	1978
1979	38.4 AT 11:55 MST ON MAY 2	35.9 ON MAY 2	---	---	1979
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		85 300	MEAN

VERMILION RIVER NEAR MANNVILLE - STATION NO. 05EE001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1958	---	---	---	---	---	---	---	---	0.001	0.088	0.107	0.081	---	1958
1959	0.089	0.084	0.100	0.481	0.489	0.187	0.132	0.118	0.121	0.250	0.142	0.138	0.233	1959
1960	0.118	0.088	0.408	5.18	2.82	0.887	0.884	0.280	0.088	0.038	0.117	0.110	1.27	1960
1961	0.075	0.018	0.039	1.44	1.82	0.388	0.333	0.004	0.001	0.020	0.034	0.041	0.477	1961
1962	0.032	0.040	0.085	4.77	5.18	4.21	2.81	3.17	1.78	0.804	0.805	0.194	2.88	1962
1963	0.078	0.004	0.331	22.5	15.2	2.88	0.988	0.888	0.888	0.972	0.858	0.412	5.84	1963
1964	0.130	0.074	0.185	1.38	0.888	0.185	0.080	0.005	0.043	0.009	0.028	0.048	0.313	1964
1965	0.082	0.088	5.088	7.28	10.3	5.30	5.37	4.28	2.02	0.738	0.278	0.182	4.85	1965
1966	0.038	0.028	0.801	5.43	2.25	0.438	0.134	0.347	0.388	0.008	0.020	0.028	1.17	1966
1967	0.013	0.003	0.014	1.84	5.05	1.84	0.144	0.107	0	0	0	0	1.08	1967
1968	0.002	0.278	4.07	4.48	1.81	0.248	0.088	0.035	0.172	0.201	0.094	0.088	1.35	1968
1969	0.013	0.022	0.088	8.82	8.88	1.48	0.327	0.042	0.013	0.092	0.072	0.080	2.30	1969
1970	0.018	0.008	0.008	3.48	3.19	0.841	1.31	0.327	0.278	0.457	---	---	1.23	1970
1976	---	---	0.127	2.00	0.802	0.813	0.387	0.085	0.083	0.037	---	---	0.537	1976
1977	---	---	0.059	0.988	1.38	0.888	0.028	0.013	0.029	0.044	---	---	0.387	1977
1978	---	---	0.184	1.80	1.04	0.724	0.388	0.180	0.448	1.80	---	---	0.788	1978
1979	---	---	0.888	11.8	14.2	1.29	1.72	0.288	0.028	0.088	---	---	3.71	1979
1980	---	---	0.038	8.08	1.92	0.322	0.182	0.180	0.188	0.177	---	---	1.12	1980
1981	---	---	2.52	8.82	0.823	0.283	0.037	0.008	0	0	---	---	1.88	1981
1982	---	---	0	0.838	1.70	0.883	2.71	1.84	0.048	0.011	---	---	0.931	1982
1983	---	---	0.078	2.02	0.928	0.211	18.8	2.28	---	---	---	---	---	1983
MEAN	0.053	0.088	0.470	5.05	3.88	1.18	1.73	0.710	0.328	0.284	0.171	0.112	1.85	MEAN

LOCATION - LAT 53 22 30 N
LONG 111 10 30 W
DRAINAGE AREA, 8 740 km^2
NATURAL FLOW

VERMILION RIVER NEAR MANNVILLE - STATION NO. 05EE001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1958	---	---			
1959	---	1.70 ON MAY 5	0 E ON SEP 1 *	---	1958
1960	---		0 B ON MAR 9	4 940	1959
1961	---	6.97 ON APR 18			
1962	---	2.61 ON APR 21	0 ON OCT 30	28 800	1960
1963	---	8.97 ON MAY 3	0 B ON MAR 1	10 100	1961
1964	---	42.2 ON APR 22 *	0 B ON MAR 4	80 300	1962
		2.41B ON APR 8	0.0088 ON MAR 1	117 000	1963
1965	---		0 ON JUL 18	8 630	1964
1966	---	22.6 B ON APR 14			
1967	---	12.4 ON APR 3	0.0858 ON APR 1	98 300	1965
1968	---	10.8 B ON APR 30	0 ON JUN 29	24 900	1966
1969	---	7.84 ON APR 8	0 ON JUL 18	23 000	1967
		15.1 ON APR 11	0 ON JUL 30	28 800	1968
1970	---		0 ON AUG 14	45 800	1969
		8.38B ON APR 12	0.0078 ON MAR 1	28 100	1970
1976	---				
1977	---	4.30B ON APR 8	0.003 ON AUG 22	11 400	1976
1978	---	3.28 ON MAY 19	0 ON JUL 28	8 400	1977
1979	---	2.81 ON APR 14	0.003 ON AUG 14	19 800	1978
		39.2 ON APR 28	0 B ON MAR 1	78 700	1979
1980	---				
1981	---	10.2 ON APR 23	0.0018 ON MAR 1	23 700	1980
1982	5.59 AT 13:28 MST ON AUG 3	18.5 ON APR 3	0 B ON MAR 1	33 000	1981
1983	22.9 AT 14:13 MST ON JUL 21 *	5.50 ON AUG 3	0 B ON MAR 1	19 700	1982
		22.4 ON JUL 21	---	---	1983
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		34 800	MEAN

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	1.07 R	0.231R	0.204R	---	---	---	1979
1980	---	---	0.019	8.91	3.07	0.555	0.403	0.150	0.281	0.388	---	---	1.45	1980
1981	---	---	1.86	11.3	1.54	0.280	0.081	0.042	0	0.029	---	---	1.87	1981
1982	---	---	0	0.388	1.82	0.388	1.24	4.57	0.486	0.141	---	---	1.13	1982
1983	---	---	0.097	1.68	1.41	0.097	13.6	5.97	0.532	0.352	---	---	3.02	1983
1984	---	---	0.858	9.42	1.28	1.07	0.228	0.032	0.041	0.098	---	---	1.80	1984
MEAN	---	---	0.570	5.94	1.82	0.474	3.15	1.97 R	0.255R	0.198R	---	---	1.81	MEAN

LOCATION - LAT 53 29 28 N
LONG 110 23 51 W

DRAINAGE AREA, 7 270 km^2
REGULATED

R - REVISED SINCE JAN 1980

VERMILION RIVER NEAR MARWAYNE - STATION NO. 05EE007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	---				
1981	19.0 AT 03:30 MST ON APR 8	15.8 ON APR 18	0.014 ON AUG 10	30 800	1980
1982	7.44 AT 18:15 MST ON AUG 11	18.8 ON APR 7	0 ON JUL 27 *	39 800	1981
1983	24.1 AT 18:53 MST ON JUL 24 *	7.18 ON AUG 11	0 B ON MAR 1	24 000	1982
1984	---	24.0 ON JUL 24	0.008A ON JUN 18	63 800	1983
		24.6 B ON APR 2 *	0.002 ON AUG 31	33 900	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		38 400	MEAN

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05EE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	---	---	---	0	0	0	0	---	---	---	1967
1968	---	---	1.67	0.884	0.008	0	0	0.002	0.098	0.110	---	---	0.348	1968
1969	---	---	0.033	8.88	0.750	0.343	0.008	0	0	0	---	---	0.998	1969
1970	---	---	0.034	2.43	0.500	0.031	0.187	0.042	0.012	0.008	---	---	0.387	1970
1971	---	---	0	7.88	1.43	0.178	0.257	0.088	0.015	0.001	---	---	1.17	1971
1972	---	---	0	8.50	1.48	0.045	0.003	0.001	0	0	---	---	0.880	1972
1973	---	---	0.211	3.87	0.588	2.17	8.31	8.28	0.888	0.208	---	---	2.44	1973
1974	---	---	0.014	25.8	18.8	1.32	0.271	0.014	0.003	0.001	---	---	5.61	1974
1975	---	---	0.007	1.88	1.59	0.018	0	0	0	0	---	---	0.447	1975
1976	---	---	0.135	0.812	0.003	0	0	0	0	0	---	---	0.117	1976
1977	---	---	0	0.053	---	0.288	0.002	0	0	0	---	---	---	1977
1978	---	---	0.010	0.428	0.048	0.002	0	0	0	0	---	---	0.308	1978
1979	---	---	0.284	11.8	2.28	0.080	0.045	0.004	1.88	0.441	---	---	1.79	1979
1980	---	---	0	2.30	0.178	0	0	0	0	0	---	---	0.304	1980
1981	---	---	1.81	1.07	0.071	0	0	0.012	0	0	---	---	0.348	1981
1982	---	---	0	0.481	0.384	0.008	8.18	0.447	0.382	0.118	---	---	1.00	1982
1983	---	---	0.020	1.72	0.003	3.84	10.8	0.488	0.008	0.003	---	---	2.14	1983
1984	---	---	0.833	0.871	0.008	0.025	0.002	0	0	0	---	---	0.228	1984
MEAN	---	---	0.288	4.44	1.83	0.485	1.34	0.351	0.184	0.048	---	---	1.18	MEAN

LOCATION - LAT 53 27 54 N
LONG 112 03 52 W

DRAINAGE AREA, 1 590 km^2
NATURAL FLOW

VERMILION RIVER NEAR VEGREVILLE - STATION NO. 05EE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	---	---	OR ON JUN 30 *	---	1967
1968	---	6.31 ON MAR 7	0 ON MAY 30	7 320	1968
1969	---	13.3 ON APR 12	08 ON MAR 1	21 100	1969
1970	---	8.46 ON APR 13	08 ON MAR 1	8 380	1970
1971	21.6 AT 03:00 MST ON APR 18	20.7 ON APR 18	08 ON MAR 1	24 900	1971
1972	12.6 AT 13:40 MST ON APR 15	12.2 ON APR 15	08 ON MAR 1	20 900	1972
1973	18.8 AT 08:00 MST ON JUL 7	18.5 ON JUL 7	08 ON MAR 1	51 800	1973
1974	77.3 AT 08:10 MST ON APR 20 *	74.5 ON APR 20 *	0 ON OCT 22	117 000	1974
1975	10.4 B AT 15:00 MST ON APR 25	9.578 ON APR 25	0 ON JUN 15	9 480	1975
1976	---	2.14 ON APR 12	08 ON MAR 1	2 470	1976
1977	---	---	08 ON MAR 1	---	1977
1978	5.10 AT 09:00 MST ON SEP 21	5.01 ON SEP 21	08 ON MAR 1	6 450	1978
1979	25.3 AT 22:30 MST ON APR 20	24.3 ON APR 20	08 ON MAR 1	37 900	1979
1980	8.42 AT 05:15 MST ON APR 14	8.26 ON APR 14	08 ON MAR 1	8 430	1980
1981	---	6.778 ON MAR 19	08 ON MAR 1	7 310	1981
1982	16.2 AT 00:44 MST ON JUL 8	15.6 ON JUL 8	08 ON MAR 1	21 200	1982
1983	22.6 AT 08:00 MST ON JUL 2	22.3 ON JUL 2	08 ON MAR 1	45 400	1983
1984	---	3.918 ON MAR 31	0 ON JUL 21	4 840	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		24 500	MEAN

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE008

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	---	---	---	---	---	---	---	0 R	0.239R	0.027R	---	---	---	1978
1979	---	---	0.026	0.849	0.018	0	0	0	0	0	---	---	0.109	1979
1980	---	---	0	0.088	0.002	0	0	0	0	0	---	---	0.012	1980
1981	---	---	0.120	0.030	0	0	0	0	0	0	---	---	0.019	1981
1982	---	---	0	0.008	0.028	0.013	0.127	0.002	0	0	---	---	0.023	1982
1983	---	---	0	0.051	0.001	0.241	0.854	0.159	0.011	0	---	---	0.140	1983
1984	---	---	0.122	0.094	0	0	0	0	0	0	---	---	0.027	1984
MEAN	---	---	0.046	0.188	0.008	0.042	0.130	0.023R	0.036R	0.004R	---	---	0.055	MEAN

LOCATION - LAT 53 17 42 N, LONG 112 02 54 W
DRAINAGE AREA, 46.9 km^2
NATURAL FLOW

R - REVISED SINCE JAN 1980

VERMILION RIVER TRIBUTARY NEAR BRUCE - STATION NO. 05EE008

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	---	---	---	1978
1979	---	1.85 ON APR 19 *	08 ON MAR 1 *	2 310	1979
1980	---	0.887 ON APR 12	08 ON MAR 1	258	1980
1981	---	0.438E ON MAR 20	08 ON MAR 1	400	1981
1982	---	0.820E ON JUL 5	08 ON MAR 1	478	1982
1983	1.98 AT 05:15 MST ON JUN 29 *	1.78 ON JUN 29	08 ON MAR 1	2 960	1983
1984	---	0.710E ON MAR 28	08 ON MAR 1	571	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 180	MEAN

VIXEN CREEK NEAR BELLAY - STATION NO. 07FD921

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	0.011	1.00	0.027	0.018	0	0.047	0.002	---	---	---	1984
MEAN	---	---	---	0.011	1.00	0.027	0.018	0	0.047	0.002	---	---	---	MEAN

LOCATION - LAT 55 46 30 N, LONG 118 08 20 W
DRAINAGE AREA, 135 km^2
NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

REMARKS - 1983 DATA NOT PUBLISHED IN 1983. NEW STA. IN 1983 AND INSUFFICIENT DATA FOR THE CURVE UNTIL 1984

VIXEN CREEK NEAR BELLAY - STATION NO. 07FD921

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	11.0 AT 14:38 MST ON MAY 22 *	9.71 ON MAY 22 *	08 ON MAR 15 *	---	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

VOGEL CREEK NEAR THE MOUTH - STATION NO. 07AC005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1974	---	---	---	---	---	0.225	0.125	0.055	---	---	---	---	---	1974
MEAN	---	---	---	---	---	0.225	0.125	0.055	---	---	---	---	---	MEAN

LOCATION - LAT 53 46 58 N, LONG 118 27 07 W DRAINAGE AREA, 11.4 km² NATURAL FLOW

DATA CONTRIBUTED BY - CANADIAN FORESTRY SERVICE (DOE) (CANADA)

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1927	---	---	---	---	---	---	---	---	1.98	1.37	---	---	---	1927
1928	---	---	---	0.438	0.847	0.832	0.858	0.877	0.474	0.458	---	---	---	1928
1929	---	---	---	0.270	0.520	0.527	0.381	0.218	0.131	0.108	---	---	---	1929
1930	---	---	---	0.185	0.071	0	0	0	0	0	---	---	---	1930
1931	---	---	---	0	---	---	---	---	---	---	---	---	---	1931
1969	---	---	---	---	---	0.007	0.028	0.007	0.002	0.048	---	---	---	1969
1970	---	---	0	0.732	0.087	0.088	0.056	0.070	0.052	0.058	---	---	0.148	1970
1971	---	---	0.007	1.41	0.225	0.278	2.00	0.324	0.118	0.089	---	---	0.557	1971
1972	---	---	0.388	1.70	0.730	0.300	0.177	0.152	0.111	0.089	---	---	0.468	1972
1973	---	---	0.112	0.203	0.219	0.376	0.167	0.139	0.080	0.136	---	---	0.181	1973
1974	---	---	0.026	5.53	4.55	1.88	2.22	1.26	0.900	0.889	---	---	2.12	1974
1975	---	---	0.388	1.08	0.878	0.485	0.288	0.049	0.038	0.033	---	---	0.371	1975
1976	---	---	0.080	0.488	0.138	0.102	0.235	0.184	0.078	0.053	---	---	0.188	1976
1977	---	---	0.048	0.308	0.778	0.448	0.080	0.080	0.088	0.080	---	---	0.228	1977
1978	---	---	0.218	0.297	0.287	0.233	0.588	0.083	0.648	0.329	---	---	0.331	1978
1979	---	---	0.723	1.44	1.32	0.888	0.778	0.788	0.428	0.173	---	---	0.801	1979
1980	---	---	0.124	1.18	0.360	0.387	0.231	0.341	0.385	0.243	---	---	0.400	1980
1981	---	---	0.883	0.524	0.220	0.141	0.148	0.117	0.021	0.048	---	---	0.238	1981
1982	---	---	0.038	1.88	0.748	0.118	4.03	2.30	2.07	1.48	---	---	1.58	1982
1983	---	---	0.480	0.833	0.808	0.535	0.850	0.834	0.778	0.228	---	---	0.800	1983
1984	---	---	0.118	0.083	0.107	0.208	0.030	0.017	0.080	0.042	---	---	0.088	1984
MEAN	---	---	0.224	0.884	0.888	0.408	0.892	0.404	0.428	0.288	---	---	0.880	MEAN

LOCATION - LAT 53 27 42 N, LONG 114 22 00 W DRAINAGE AREA, 813 km² NATURAL FLOW

WABAMUN CREEK NEAR DUFFIELD - STATION NO. 05DE003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1927	---	---	---	---	1927
1928	---	---	---	---	1928
1929	---	0.583 ON JUN 18	0 B ON APR 1 *	---	1929
1930	---	0.252 ON MAY 7	0 B ON APR 1	---	1930
1931	---	---	0 ON APR 1	---	1931
1969	---	---	0 ON JUN 18	---	1969
1970	---	2.38 B ON APR 6	0 B ON MAR 1	3 070	1970
1971	8.85 AT 02:00 MST ON JUL 12	8.34 ON JUL 11	0.0038 ON MAR 1	11 800	1971
1972	5.248 AT 03:00 MST ON APR 6	4.70 B ON APR 7	0.0088 ON MAR 1	8 470	1972
1973	2.84 AT 10:40 MST ON JUN 25	1.81 ON JUN 25	0.0148 ON MAR 1	3 830	1973
1974	15.4 B AT 18:00 MST ON APR 18	14.6 B ON APR 19 *	0.0148 ON MAR 1	44 800	1974
1975	---	2.89 B ON APR 21	0.0318 ON SEP 24	7 880	1975
1976	---	0.8348 ON APR 3	0.0218 ON MAR 1	3 880	1976
1977	3.87 AT 03:50 MST ON MAY 30	3.23 ON MAY 30	0.021 ON JUL 24	4 820	1977
1978	8.72 AT 15:30 MST ON JUL 11	3.20 ON JUL 12	0.0218 ON MAR 1	7 010	1978
1979	17.6 AT 00:00 MST ON APR 24 *	6.87 B ON APR 23	0.0348 ON MAR 1	17 000	1979
1980	3.148 AT 12:00 MST ON APR 12	2.40 B ON APR 13	0.081 ON AUG 2	8 470	1980
1981	3.80 AT 08:25 MST ON MAR 18	2.02 B ON MAR 18	0.012 ON SEP 15	4 880	1981
1982	11.6 AT 06:45 MST ON JUL 8	11.1 ON JUL 8	0.0208 ON MAR 1	33 100	1982
1983	3.208 AT 12:50 MST ON APR 4	2.33 ON JUL 27	0.030 ON OCT 18	12 700	1983
1984	2.10 AT 08:30 MST ON JUN 8	1.92 ON JUN 8	0.003 ON AUG 2	2 070	1984
				11 800	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WABASCA RIVER ABOVE PEACE RIVER - STATION NO. 07JD001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1983	---	---	---	---	---	---	73.4	65.0	50.8	41.4	---	---	---	1983
1984	---	---	8.47	33.4	282	198	89.0	238	183	110	78.3	43.4	---	1984
1985	26.7	20.5	18.9	---	---	135	83.2	82.0	85.9	78.3	108	73.5	---	1985
1986	14.8	15.4	15.1	38.6	88.5	71.8	66.6	36.5	36.6	26.0	16.5	10.7	38.7	1986
1987	7.78	6.16	6.17	10.5	374	172	82.6	43.8	31.8	26.8	13.2	8.14	88.3	1987
1988	3.83	3.21	3.21	88.2	182	86.9	108	86.5	80.7	81.3	38.1	13.7	87.2	1988
1989	7.86	6.82	6.18	---	---	81.1	38.3	21.6	61.0	128	78.6	82.6	---	1989
1990	24.0	18.4	14.7	---	---	83.4	314	131	81.8	---	---	---	---	1990
MEAN	13.8	11.0	8.82	38.4	237	123	108	83.2	72.7	88.8	84.8	33.2	83.4	MEAN

LOCATION - LAT 58 17 30 N, LONG 115 23 00 W DRAINAGE AREA, 38 800 km² NATURAL FLOW

WABASCA RIVER ABOVE PEACE RIVER - STATION NO. 07JD001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1983	---	---	---	---	1983
1984	---	408 ON MAY 28	6.038 ON MAR 21	---	1984
1985	---	---	18.7 B ON FEB 24	---	1985
1986	---	137 ON MAY 10	6.508 ON MAR 30	1 180 000	1986
1987	837 AT 09:30 MST ON MAY 20 *	628 ON MAY 20 *	3.888 ON DEC 28	2 080 000	1987
1988	382 AT 15:00 MST ON MAY 7	374 ON MAY 7	1.848 ON JAN 20 *	1 810 000	1988
1989	---	278 ON MAY 15	5.078 ON MAR 18	---	1989
1990	549 AT 15:30 MST ON JUL 7	544 ON JUL 7	13.1 B ON MAR 30	---	1990
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 880 000	MEAN

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1970	---	---	---	---	---	---	---	138	78.2	63.6	32.7	18.8	---	1970
1971	10.6	8.80	9.08	104	123	82.8	239	96.8	60.5	43.1	20.2	12.3	68.1	1971
1972	8.74	8.71	8.43	53.2	484	141	146	68.0	29.2	31.0	22.6	10.8	64.1	1972
1973	9.64	8.88	9.18	80.6	382	788	431	264	182	158	83.8	48.4 R	206 R	1973
1974	35.3 R	25.8	21.6	478	726	198	230	136	104	78.2	41.9	25.9	178 R	1974
1975	18.7	18.3	18.2	73.8	237	246	268	245	380	200	108	60.4	155	1975
1976	32.7	24.6	18.9	188	96.8	87.4	270	181	124	82.2	48.8	30.3	88.7	1976
1977	22.8	22.8	22.8	71.0	141	216	151	70.7	48.6	72.7	34.7	18.2	76.6	1977
1978	14.8	10.8	11.8	87.8	288	171	78.1	48.4	312	222	88.3	48.4	112	1978
1979	24.6	18.7	11.0	33.8	416	398	192	92.1	78.8	84.0	---	---	---	1979
1980	---	---	12.8	80.0	33.8	28.3	29.6	111	80.4	88.8	47.4	21.3	---	1980
1981	14.8	11.4	13.4	113	281	71.2	38.3	16.8	8.88	10.8	8.77	3.78	48.8	1981
1982	1.87	1.38	1.88	37.1	188	41.8	10.0	32.4	21.4	15.8	11.0	7.80	30.8	1982
1983	8.88	7.17	7.84	82.4	92.8	88.1	282	388	148	88.0	45.8	27.3	88.4	1983
1984	17.8	17.8	16.4	72.0	182	338	218	77.0	100	81.1	38.8	28.7	88.2	1984
MEAN	18.8 R	14.0	12.8	108	288	208	182	128	118	88.2	48.0	24.8 R	104	MEAN

LOCATION - LAT 57 52 30 N LONG 118 23 20 W DRAINAGE AREA, 38 800 km^2 NATURAL FLOW R - REVISED SINCE JAN 1980

WABASCA RIVER AT WADLIN LAKE ROAD - STATION NO. 07JD002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1970	---	---	---	---	1970
1971	---	348 ON APR 25	8.33 B ON FEB 20	2 180 000	1971
1972	---	932 ON MAY 2	8.38 B ON FEB 18	2 880 000	1972
1973	1 830 AT 12:00 MST ON JUN 18	1 820 ON JUN 18	8.87 B ON FEB 24	8 470 000R	1973
1974	1 700A AT 17:00 MST ON APR 27 *	1 880A ON APR 27 *	18.2 B ON MAR 22	5 880 000R	1974
1975	728 AT 23:00 MST ON SEP 2	718 ON SEP 2	14.8 B ON MAR 24	4 900 000	1975
1976	418 AT 17:30 MST ON APR 17	3828 ON APR 18	17.1 B ON MAR 3	3 150 000	1976
1977	384 AT 21:30 MST ON JUN 6	348 ON JUN 8	18.2 B ON NOV 25	2 380 000	1977
1978	442 AT 22:00 MST ON SEP 18	438 ON SEP 18	8.63 B ON FEB 22	3 830 000	1978
1979	884 AT 14:00 MST ON MAY 30	849 ON MAY 30	---	---	1979
1980	228 AT 15:00 MST ON AUG 8	225 ON AUG 8	---	---	1980
1981	838 AT 18:00 MST ON APR 27	471 ON MAY 3	2.70 B ON DEC 31	1 480 000	1981
1982	328 AT 11:00 MST ON APR 30	274 ON MAY 2	0.8008 ON FEB 11 *	975 000	1982
1983	838 AT 18:30 MST ON JUL 28	823 ON JUL 28	5.84 B ON FEB 8	3 140 000	1983
1984	730 AT 03:00 MST ON JUN 5	718 ON JUN 4	12.8 B ON MAR 22	3 010 000	1984
	A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980		3 280 000R	MEAN

WABASH CREEK NEAR PIGROCH - STATION NO. 07BC007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1979	---	---	---	---	---	---	---	---	0.001R	0.138R	---	---	---	1979
1980	---	---	0.049	1.21	0.005	0.004	0.003	0.002	0.002	0.037	---	---	0.181	1980
1981	---	---	2.88	1.13	0.041	0.011	0.015	0	0	0.080	---	---	0.481	1981
1982	---	---	0	5.85	0.718	0	0	0	0	0	---	---	0.763	1982
1983	---	---	0.004	0.804	0.018	0.888	0.881	0.003	0.001	0.053	---	---	0.328	1983
1984	---	---	0.887	0.212	0.027	0.022	0	0.012	0.044	0.038	---	---	0.131	1984
MEAN	---	---	0.878	1.78	0.181	0.188	0.200	0.003	0.008R	0.067R	---	---	0.378	MEAN

LOCATION - LAT 54 13 27 N LONG 113 55 28 W DRAINAGE AREA, 338 km^2 NATURAL FLOW R - REVISED SINCE JAN 1980

WABASH CREEK NEAR PIBROCH - STATION NO. 07BC007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1979	---	---	---	---	1979
1980	4.378 AT 10:55 MST ON APR 6	3.748 ON APR 5	0B ON MAR 1 *	3 400	1980
1981	12.5 AT 08:00 MST ON MAR 29	12.0 B ON MAR 29	0B ON MAR 1	10 400	1981
1982	35.3 AT 18:35 MST ON APR 24 *	34.1 ON APR 24 *	0B ON MAR 1	18 800	1982
1983	5.63 AT 07:00 MST ON JUN 26	5.18 ON JUN 26	0B ON MAR 1	6 880	1983
1984	---	2.798 ON MAR 27	0B ON MAR 1	2 770	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		8 010	MEAN

WABASH CREEK NEAR WESTLOCK - STATION NO. 07BC003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1987	---	---	0	2.12	1.04	0.032	0	0	0	0.008	---	---	0.398	1987
1988	---	---	0.748	0.118	0.008	0.007	0	0	0	0.010	---	---	0.113	1988
1989	---	---	0	3.68	0.052	0.004	0	0.372	0.418	0.018	---	---	0.858	1989
1970	---	---	0.003	4.87	0.050	0.048	0.218	0.074	0.025	0.003	---	---	0.850	1970
1971	---	---	0.084	7.07	0.107	1.04	8.27	0.142	0.002	0.001	---	---	1.83	1971
1972	---	---	0.037	8.08	0.524	0.043	0.007	0	0	0	---	---	1.04	1972
1973	---	---	0.745	1.01	0.052	0.282	0.078	0.048	0.007	0.012	---	---	0.278	1973
1974	---	---	0	16.5	1.18	0.008	2.72	0.038	0.009	0.008	---	---	2.29	1974
1975	---	---	0	1.42	0.293	0.051	0.288	0.118	0.121	0.008	---	---	0.284	1975
1976	---	---	0.280	1.41	0.109	0.008	0.001	0	0	0	---	---	0.222	1976
1977	---	---	0	2.56	0.118	0.084	0.148	0.022	0.017	0.044	---	---	0.383	1977
1978	---	---	0.777	2.22	0.125	0.088	0.058	0.024	0.418	0.277	---	---	0.493	1978
1979	---	---	1.76	5.82	0.203	0.250	2.80	---	---	---	---	---	---	1979
MEAN	---	---	0.340	4.23	0.297	0.147	0.988	0.070	0.085	0.032	---	---	0.711	MEAN

LOCATION - LAT 54 11 31 N DRAINAGE AREA, 325 km^2
LONG 113 55 32 W NATURAL FLOW

WABASH CREEK NEAR WESTLOCK - STATION NO. 07BC003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1987	18.1 AT 03:00 MST ON APR 28	15.2 ON APR 28	0B ON MAR 1 *	9 370	1987
1988	---	2.808 ON MAR 5	0 ON JUN 23	2 280	1988
1989	21.2 AT 23:00 MST ON APR 12	20.7 ON APR 13	0B ON MAR 1	11 800	1989
1970	24.7 AT 09:45 MST ON APR 11	23.6 ON APR 11	0 ON OCT 1	13 700	1970
1971	38.6 AT 21:00 MST ON APR 19	35.7 ON APR 19	0B ON MAR 1	35 700	1971
1972	27.2 B AT 22:30 MST ON APR 15	25.5 ON APR 15	0B ON MAR 1	22 500	1972
1973	4.508 AT 18:40 MST ON APR 1	4.458 ON MAR 31	0B ON MAR 1	6 880	1973
1974	84.3 A ON APR 19 *	60.3 E ON APR 20 *	0B ON MAR 1	48 500	1974
1975	8.808 AT 20:00 MST ON APR 21	8.238 ON APR 21	0B ON MAR 1	8 010	1975
1976	---	3.408 ON APR 3	0B ON MAR 1	4 700	1976
1977	18.8 B AT 23:30 MST ON APR 8	18.4 ON APR 8	0B ON MAR 1	7 880	1977
1978	11.8 B AT 19:40 MST ON MAR 31	11.2 B ON MAR 31	0B ON MAR 1	10 400	1978
1979	16.0 AT 01:50 MST ON APR 21	15.0 ON APR 21	0B ON MAR 1	---	1979
	A - MANUAL GAUGE (SEE REFERENCE INDEX)	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD	15 100	MEAN

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	---	---	---	---	0.007	---	---	---	1977
1978	---	---	0.041	0.849	0.100	0.021	0.001	0	0	0	---	---	0.100	1978
1979	---	---	0	0.484	1.04	0.089	0.214	0.002	0	0	---	---	0.224	1979
1980	---	---	0.002	0.023	0	0	0	0	0	0	---	---	0.003	1980
1981	---	---	0.050	0.584	0.078	0.005	0	0	0	0	---	---	0.080	1981
1982	---	---	0	0.317	0.019	0.001	0	0.001	0	0	---	---	0.041	1982
1983	---	---	0	0.115	0.008	0.018	0.075	0.041	0.001	0.001	---	---	0.032	1983
1984	---	---	0.152	0.041	0.473	0.154	0.183	0	0.009	0.008	---	---	0.128	1984
MEAN	---	---	0.035	0.315	0.245	0.038	0.085	0.008	0.001	0.002	---	---	0.085	MEAN

LOCATION - LAT 56 01 37 N DRAINAGE AREA, 148 km^2
LONG 117 58 08 W NATURAL FLOW

WAINSCOTT COULEE NEAR BROWNVALE - STATION NO. 07FD014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	---	---	0 ON SEP 19 *	---	1977
1978	4.05 B AT 13:00 MST ON APR 8	2.72 B ON APR 8	0B ON MAR 1	2 110	1978
1979	14.6 B AT 18:30 MST ON APR 30 *	10.0 B ON APR 30 *	0B ON MAR 1	4 730	1979
1980	0.1078 AT 11:30 MST ON APR 5	0.0898 ON APR 4	0B ON MAR 1	87.9	1980
1981	2.83 AT 03:00 MST ON APR 20	2.38 ON APR 20	0B ON MAR 1	1 900	1981
1982	5.94 AT 20:00 MST ON APR 24	2.78 ON APR 25	0B ON MAR 1	878	1982
1983	---	1.03 A ON APR 16	0B ON MAR 1	878	1983
1984	5.40 AT 08:30 MST ON MAY 21	4.54 ON MAY 21	0B ON MAR 1	2 880	1984
				1 880	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO. 05BG009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1972	---	---	---	---	2.82	5.26	---	---	---	---	---	---	---	1972
1977	---	---	---	---	---	---	1.14	2.38	1.87	1.25	---	---	---	1977
1978	---	---	---	---	3.34	4.84	3.38	2.85	2.26	1.32	---	---	2.85	1978
1979	---	---	---	---	3.11	2.45	1.30	1.79	0.878	0.588	---	---	1.69	1979
1980	---	---	---	---	1.88	5.09	1.61	1.84	1.85	0.878	---	---	2.18	1980
1981	---	---	---	---	8.21	4.80	7.35	5.80	2.28	1.28	---	---	4.80	1981
1982	---	---	---	---	1.87	3.40	2.71	1.23	1.43	1.37	---	---	2.02	1982
1983	---	---	---	---	3.89	3.88	5.28	1.88	1.18	0.903	---	---	2.77	1983
1984	---	---	---	---	1.19	2.48	0.938	0.780	0.781	1.10	---	---	1.18	1984
MEAN	---	---	---	---	2.98	3.99	2.98	2.43	1.84	1.07	---	---	2.81	MEAN

LOCATION - LAT 51 22 04 N, LONG 114 59 27 W
DRAINAGE AREA, 230 km^2
NATURAL FLOW

WAIPAROUS CREEK BELOW MEADOW CREEK - STATION NO. 05BG009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1972	---	15.4 ON JUN 24	---	---	1972
1977	8.35 AT 05:00 MST ON AUG 14	7.02 ON AUG 14	---	---	1977
1978	---	5.53 ON JUN 4	1.04 B ON OCT 28	46 900	1978
1979	10.5 AT 21:00 MST ON MAY 28	8.74 ON MAY 28	0.2338 ON OCT 30 *	28 800	1979
1980	11.6 AT 23:00 MST ON JUN 9	9.18 ON JUN 10	0.887A ON MAY 15	34 400	1980
1981	29.8 AT 10:30 MST ON JUL 30	22.1 ON JUL 30	0.506 ON MAY 7	78 200	1981
1982	10.0 AT 20:45 MST ON JUN 22	8.06 ON JUN 26	0.332 ON MAY 8	32 000	1982
1983	46.0 AT 08:57 MST ON JUL 3 *	26.7 ON JUL 3 *	0.878E ON OCT 24	44 100	1983
1984	7.63 AT 20:15 MST ON JUN 12	5.70 ON JUN 12	0.4728 ON MAY 1	18 800	1984
				39 900	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG006

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	0.788	1.81	3.98	4.58	4.87	3.00	2.25	1.87	---	---	---	1986
1987	---	---	0.322	0.803	6.80	11.8	3.25	1.66	0.909	0.301	---	---	---	1987
1988	---	---	0.701	0.871	2.09	3.87	2.82	2.99	2.13	2.13	---	---	---	1988
1989	---	---	0.730	3.52	7.85	9.31	11.7	2.88	1.89	1.44	0.884	0.802	---	1989
1970	0.158	0.262	0.388	0.737	3.13	7.76	3.03	1.23	1.06	0.898	0.637	0.328	1.62	1970
1971	0.376	0.511	0.333	1.13	2.11	5.32	1.78	1.10	1.08	0.930	0.802	0.218	1.28	1971
1972	0.278	0.382	0.718	1.49	4.47	8.87	5.20	2.40	1.83	1.34	0.782	0.887	2.20	1972
1973	0.578	0.516	0.579	1.58	7.46	8.53	3.02	2.28	1.88	1.18	0.417	0.488	2.22	1973
1974	0.295	0.448	0.412	2.15	8.88	7.57	3.03	2.40	1.75	1.13	0.818	0.805	2.28	1974
1975	0.380	0.231	0.347	0.918	2.45	2.23	2.81	2.08	1.18	0.883	0.884	0.838	1.22	1975
1976	0.484	0.337	0.370	1.32	2.17	1.91	1.88	3.81	1.88	1.20	0.788	0.873	1.38	1976
1977	0.343	0.480	0.425	0.942	2.88	2.12	1.18	1.81	1.86	1.82	0.871	0.482	1.22	1977
1978	0.337	0.308	0.805	2.14	3.70	4.70	3.78	2.84	2.27	1.80	1.02	0.847	2.02	1978
1979	0.181	0.207	0.721	1.83	3.37	2.85	1.44	1.82	1.11	0.881	0.380	0.870	1.22	1979
1980	0.187	0.245	0.283	2.01	2.06	5.14	1.88	1.82	1.70	1.08	0.780	0.720	1.80	1980
1981	0.884	0.782	0.482	0.888	8.03	8.88	10.5	7.77	2.28	1.88	0.881	0.888	3.38	1981
1982	0.174	0.148	0.200	0.880	3.38	4.35	3.08	1.87	1.70	1.88	0.880	0.888	1.44	1982
1983	0.481	0.528	0.438	2.08	3.88	4.03	8.71	1.87	1.27	1.08	0.800	0.488	1.85	1983
1984	0.302	0.438	0.478	0.784	1.42	2.80	1.08	0.838	0.878	1.24	0.483	0.277	0.838	1984
MEAN	0.345	0.384	0.502	1.43	4.13	5.23	3.60	2.48	1.83	1.23	0.888	0.808	1.73	MEAN

LOCATION - LAT 51 18 58 N, LONG 114 50 15 W
DRAINAGE AREA, 334 km^2
NATURAL FLOW

WAIPAROUS CREEK NEAR THE MOUTH - STATION NO. 05BG008

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	24.4 AT 13:00 MST ON JUL 3	18.7 ON JUL 3	---	---	1966
1967	110 AT 03:00 MST ON MAY 31 *	72.2 ON MAY 31 *	---	---	1967
1968	13.6 AT 23:15 MST ON JUN 2	7.31 ON JUN 3	---	---	1968
1969	61.5 AT 14:24 MST ON JUN 28	44.5 ON JUN 28	---	---	1969
1970	71.8 AT 07:21 MST ON JUN 16	49.6 ON JUN 16	0.1368 ON JAN 12	51 100	1970
1971	34.5 AT 08:30 MST ON JUN 8	24.4 ON JUN 8	0.1508 ON DEC 23	40 800	1971
1972	40.6 AT 06:30 MST ON JUN 24	27.3 ON JUN 24	0.1648 ON JAN 1	69 700	1972
1973	38.2 AT 09:30 MST ON MAY 28	30.0 ON MAY 28	0.1988 ON NOV 28	88 800	1973
1974	17.0 AT 23:50 MST ON JUN 15	13.2 ON MAY 26	0.2658 ON JAN 10	72 100	1974
1975	11.6 IN JUL	8.61E ON JUL 30	0.2048 ON FEB 3	38 300	1975
1976	12.9 AT 04:00 MST ON AUG 5	9.80 ON AUG 10	0.3118 ON MAR 1	44 000	1976
1977	11.5 AT 06:30 MST ON MAY 24	8.69 ON MAY 24	0.2628 ON JAN 14	38 600	1977
1978	32.0 AT 18:00 MST ON APR 28	15.0 ON APR 28	0.3018 ON DEC 30	83 700	1978
1979	8.87 AT 02:00 MST ON MAY 24	7.27 ON MAY 24	0.1378 ON JAN 16	38 700	1979
1980	11.8 AT 02:00 MST ON JUN 10	8.88 ON JUN 3	0.0808 ON JAN 10	47 400	1980
1981	67.8 AT 15:15 MST ON JUL 30	38.2 ON JUL 30	0.3888 ON DEC 18	108 000	1981
1982	15.4 AT 23:14 MST ON JUN 22	8.07 ON JUN 25	0.0808 ON JAN 23 *	48 300	1982
1983	83.4 AT 11:20 MST ON JUL 3	38.3 ON JUL 3	0.1888 ON NOV 23	81 400	1983
1984	7.21 AT 23:20 MST ON JUN 12	5.71 ON JUN 6	0.1008 ON DEC 26	29 300	1984
				64 400	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WALBURGER COULEE BELOW DIVERSIONS - STATION NO. 11AB088

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	---	---	---	0	0.021	0.002	0	---	---	---	1980
1981	---	---	0.004	0.001	0.118	0.128	0.188	0	0	0	---	---	0.054	1981
1982	---	---	0.022	0.001	0	0	0	0	0	0	---	---	0.003	1982
1983	---	---	0	0	0	0	0.008	0	0	0	---	---	0.001	1983
1984	---	---	0.008	0.001	0	0	0	0	0	0	---	---	0.001	1984
1985	---	---	0	0.138	0.005	0.144	0.022	0.008	0.002	0	---	---	0.038	1985
1986	---	---	0.183	0.252	0	0	0	0	0	0	---	---	0.050	1986
1987	---	---	0	0.388	0.708	0.313	0.128	0.118	0.007	0.021	---	---	0.208	1987
1988	---	---	0.008	0.001	0.001	0.002	0.011	0	0.041	0.003	---	---	0.008	1988
1989	---	---	---	0.100	0.001	0.010	0.021	0.001	0	0.023	---	---	---	1989
1990	---	---	---	0.010	0.804	0.428	0.008	0	0	0	---	---	---	1990
1991	---	---	---	0.088	0.001	0.003	0	0.001	0	0.030	---	---	---	1991
1992	---	---	---	0.002	0.005	0.023	0	0	0	0.018	---	---	---	1992
1993	---	---	---	0.228	0.132	0.004	0	0	0	0	---	---	---	1993
1994	---	---	0.001	0.001	0	0	0	0	0	0	---	---	0	1994
1995	---	---	0	0.008	0.025	0.037	0	0	0	0	---	---	0.005	1995
1996	---	---	---	0.002	0	0	0	0	0	0	---	---	---	1996
1997	---	---	0	0	0	0.001	0	0	0	0	---	---	0	1997
1998	---	---	0.001	0.023	0.001	0	0	0	0	0	---	---	0.003	1998
MEAN	---	---	0.018	0.068	0.089	0.081	0.020	0.008	0.003	0.008	---	---	0.031	MEAN

LOCATION - LAT 49 17 30 N
LONG 110 01 20 W
DRAINAGE AREA, 84.4 km^2
REGULATED
INTERNATIONAL GAUGING STATION

WALBURGER COULEE BELOW DIVERSIONS - STATION NO. 11AB088

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	---	0E ON JUL 1 *	---	1980
1981	---	0.888 ON MAY 12	0B ON MAR 1	1 150	1981
1982	---	0.2278 ON MAR 26	0B ON MAR 1	81.8	1982
1983	---	0.881 ON JUL 14	0B ON MAR 1	20.8	1983
1984	---	0.0628 ON MAR 16	0B ON MAR 1	18.8	1984
1985	---	1.44 ON JUN 26	0B ON MAR 1	834	1985
1986	---	1.83 B ON MAR 28 *	0B ON MAR 1	1 080	1986
1987	---	1.42 B ON APR 10	0B ON MAR 1	4 430	1987
1988	---	0.884 ON SEP 29	0 ON JUN 17	178	1988
1989	---	0.597A ON APR 10	0 ON APR 1	---	1989
1990	---	1.88 ON JUN 13	0B ON APR 1	---	1990
1991	0.834 AT 13:52 CST ON OCT 31	0.5308 ON APR 8	0B ON APR 1	---	1991
1992	2.14 AT 08:20 CST ON JUN 23 *	0.832 ON JUN 23	0 ON APR 12	---	1992
1993	---	1.83 ON APR 28	0A ON MAR 20	---	1993
1994	---	0.0088 ON MAR 31	0B ON MAR 1	4.80	1994
1995	1.75 AT 20:32 CST ON JUN 19	0.733 ON JUN 20	0B ON MAR 1	188	1995
1996	---	---	0 ON APR 28	---	1996
1997	---	0.042 ON JUN 18	0 ON MAR 1	3.83	1997
1998	---	0.5318 ON APR 8	0B ON MAR 1	84.2	1998
				888.	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	0.207	0.167	---	---	---	1966
1967	---	---	---	---	---	0.648	0.173	0.081	0.050	0.053	0.035	---	---	1967
1968	---	---	---	0.038	0.506	0.288	0.497	0.288	0.171	0.115	0.078	0.026	0.266	1968
1969	---	---	---	---	0.463	0.442	0.621	0.995	0.188	0.130	---	---	---	1969
1970	---	---	---	---	0.558	0.572	0.117	0.086	0.048	0.030	---	---	---	1970
1971	---	---	---	0.132	0.857	1.08	0.688	0.132	0.140	0.154	---	---	0.424	1971
1972	---	---	---	---	0.983	1.20	0.336	0.122	0.237	0.284	---	---	---	1972
1973	---	---	---	0.086	1.83	0.482	0.218	0.139	0.132	0.182	---	---	0.432	1973
1974	---	---	---	0.344	1.12	0.412	0.205	0.129	0.174	0.118	---	---	0.366	1974
1975	---	---	---	0.037	0.405	0.343	0.183	0.077	0.058	0.046	---	---	0.186	1975
1976	---	---	---	0.148	0.883	0.476	0.178	0.353	0.180	0.087	---	---	0.280	1976
1977	---	---	---	0.092	1.48	0.588	0.511	0.603	0.500	0.281	---	---	0.544	1977
1978	---	---	---	0.312	1.01	0.606	0.503	0.243	0.526	0.301	---	---	0.498	1978
1979	---	---	---	0.038	0.866	0.441	0.205	0.103	0.046	0.077	---	---	0.237	1979
1980	---	---	---	0.270	0.507	2.93	0.675	0.306	0.451	0.204	---	---	0.771	1980
1981	---	---	---	0.078	0.626	0.533	0.645	0.306	0.126	0.080	---	---	0.338	1981
1982	---	---	---	0.234	0.783	0.577	1.21	0.387	0.353	0.491	---	---	0.577	1982
1983	---	---	---	0.276	0.884	0.608	0.289	0.078	0.048	0.061	---	---	0.243	1983
1984	---	---	---	0.240	0.415	0.478	0.089	0.060	0.239	0.472	---	---	0.284	1984
MEAN	---	---	---	0.171	0.770	0.709	0.424	0.240	0.202	0.187	0.057	0.026	0.389	MEAN

LOCATION - LAT 53 09 22 N DRAINAGE AREA, 26.4 km²
LONG 117 15 40 W NATURAL FLOW

WAMPUS CREEK NEAR HINTON - STATION NO. 07AF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	---	---	1966
1967	---	2.83 E ON JUN 9	---	---	1967
1968	2.13 AT 17:20 MST ON JUL 20	1.56 ON JUL 22	0.0018 ON APR 16 *	5 280	1968
1969	20.4 AT 17:30 MST ON AUG 5 *	7.99 ON AUG 5	---	---	1969
1970	3.94 AT 05:00 MST ON JUN 15	3.37 ON JUN 15	---	---	1970
1971	7.50 AT 23:30 MST ON JUN 9	5.27 ON JUN 9	0.0118 ON APR 1	7 650	1971
1972	10.3 AT 15:00 MST ON JUN 25	8.91 ON JUN 25	---	---	1972
1973	8.38 AT 19:15 MST ON MAY 15	5.21 ON MAY 15	0.0168 ON APR 1	7 850	1973
1974	2.42 AT 22:30 MST ON MAY 6	1.78 ON MAY 6	0.040 ON AUG 9	5 770	1974
1975	0.934 AT 13:00 MST ON JUN 17	0.8508 ON MAY 9	0.0148 ON APR 1	2 650	1975
1976	1.43 AT 00:10 MST ON MAY 3	1.22 ON MAY 2	0.0148 ON APR 1	5 150	1976
1977	8.76 AT 15:20 MST ON MAY 28	4.90 ON MAY 29	0.0400 ON APR 20	10 100	1977
1978	8.04 AT 09:10 MST ON MAY 15	4.05 ON MAY 15	0.0088 ON APR 1	8 210	1978
1979	1.57 AT 05:00 MST ON JUN 20	1.10 ON MAY 15	0.006 ON SEP 15	4 360	1979
1980	19.1 AT 08:30 MST ON JUN 4	15.5 ON JUN 4 *	0.0500 ON APR 1	10 300	1980
1981	3.34 AT 03:45 MST ON JUL 30	2.46 ON JUL 30	0.0208 ON APR 1	8 270	1981
1982	7.43 AT 19:55 MST ON JUL 4	5.55 ON JUL 5	0.0058 ON APR 1	10 700	1982
1983	1.68 AT 10:35 MST ON JUN 24	1.28 ON JUN 24	0.0388 ON APR 18	4 500	1983
1984	2.28 AT 21:10 MST ON OCT 4	1.71 ON OCT 4	0.033 ON AUG 23	5 280	1984
				7 210	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD
E - ESTIMATED

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	0.239	5.12	5.24	5.43	28.1	4.32	1.51	0.803	0.577	0.347	---	1971
1972	0.188	0.144	0.160	2.35	12.6	5.83	4.62	1.85	0.779	1.26	0.902	0.459	2.71	1972
1973	0.207	0.142	0.122	1.37	8.26	27.6	9.66	11.9	5.86	8.19	4.34	1.46	8.61	1973
1974	0.652	0.478	0.384	18.6	36.5	4.89	9.21	3.66	8.13	4.27	1.66	0.580	8.61	1974
1975	0.288	0.210	0.188	2.73	11.3	5.68	5.97	10.4	24.7	5.56	2.15	0.671	6.18	1975
1976	0.248	0.186	0.188	2.31	1.14	7.27	18.3	3.78	4.43	2.61	0.882	0.377	3.24	1976
1977	0.234	0.183	0.138	2.56	8.68	6.68	3.30	2.20	1.08	1.68	0.642	0.282	2.62	1977
1978	0.178	0.137	0.148	1.86	5.82	7.17	2.83	1.35	18.8	8.74	1.83	0.806	4.22	1978
1979	0.248	0.188	0.186	0.928	10.3	10.8	11.8	4.71	5.84	2.68	1.15	0.384	4.08	1979
1980	0.177	0.085	0.050	2.13	0.949	0.487	0.648	14.5	8.07	3.93	1.48	0.488	2.75	1980
1981	0.200	0.128	0.084	2.48	3.98	1.14	2.68	0.570	0.883	0.853	0.178	0.195	0.991	1981
1982	0.178	0.120	0.088	1.33	4.84	2.12	1.38	3.15	0.778	0.488	0.371	0.280	1.18	1982
1983	0.208	0.188	0.101	2.72	3.28	2.01	10.3	11.8	4.14	2.42	1.83	0.828	4.11	1983
1984	0.214	0.182	0.111	4.38	4.43	18.4	8.84	1.88	4.48	3.38	2.00	0.768	4.21	1984
MEAN	0.281	0.181	0.184	3.71	7.82	7.90	8.38	5.28	5.38	3.28	1.48	0.633	3.78	MEAN

LOCATION - LAT 55 11 57 N DRAINAGE AREA, 1 110 km²
LONG 112 27 58 W NATURAL FLOW

WANDERING RIVER NEAR WANDERING RIVER - STATION NO. 07CA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	83.3 ON JUL 8	83.3 ON JUL 8	---	---	1971
1972	---	79.7 A ON MAY 8	0.1388 ON FEB 19	65 700	1972
1973	88.3 AT 00:30 MST ON JUN 21	85.7 ON JUN 21	0.1138 ON MAR 17	203 000	1973
1974	89.7 AT 10:00 MST ON APR 30 *	88.6 ON APR 30 *	0.2808 ON APR 5	205 000	1974
1975	88.6 AT 11:30 MST ON SEP 5	36.5 ON SEP 5	0.1908 ON MAR 24	184 000	1975
1976	38.1 AT 11:00 MST ON JUL 2	35.1 ON JUL 2	0.0238 ON FEB 29	102 000	1976
1977	18.0 AT 01:30 MST ON MAY 23	14.9 ON MAY 23	0.1198 ON MAR 22	75 300	1977
1978	37.4 AT 10:30 MST ON SEP 22	37.1 ON SEP 23	0.1188 ON FEB 27	133 000	1978
1979	19.2 AT 19:30 MST ON JUL 15	19.1 ON JUL 15	0.1788 ON MAR 23	139 000	1979
1980	39.8 AT 19:00 MST ON AUG 12	39.3 ON AUG 12	0.0388 ON MAR 6	89 800	1980
1981	11.1 AT 22:40 MST ON MAY 2	8.89 ON MAY 2	0.004 ON OCT 5 *	31 200	1981
1982	9.30 AT 00:10 MST ON APR 30	8.88 ON MAY 2	0.0738 ON MAR 5	37 500	1982
1983	88.6 AT 22:05 MST ON JUL 26	86.4 ON JUL 26	0.0908 ON MAR 6	129 000	1983
1984	42.4 AT 03:02 MST ON JUN 7	41.8 ON JUN 7	0.0618 ON MAR 21	133 000	1984
				119 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1918	20.6	13.6	9.11	---	---	---	---	---	---	---	---	---	---	1918
1980	---	---	---	---	---	---	---	---	---	---	---	17.4	---	1980
1981	8.89	9.20	8.88	19.7	182	188	78.8	30.9	48.3	84.8	52.9	22.3	80.8	1981
1982	13.8	18.8	8.87	78.8	284	287	203	93.2	70.0	85.3	58.8	20.4	108	1982
1983	18.8	20.8	15.8	84.0	338	272	111	80.2	44.0	48.3	18.3	15.8	88.9	1983
1984	12.3	13.8	10.1	61.4	280	880	288	208	188	138	88.0	30.0	188	1984
1985	21.8	21.7	30.1	212	381	488	478	78.1	88.7	128	82.3	30.1	183	1985
1986	16.4	18.8	17.2	186	302	228	188	123	78.4	82.2	38.0	28.0	107	1986
1987	20.8	18.2	13.7	33.0	437	837	188	88.8	38.8	44.3	21.2	18.1	128	1987
1988	17.2	21.1	27.8	62.0	278	280	177	103	87.0	72.1	47.4	18.2	104	1988
1989	12.7	8.44	8.23	137	243	208	88.8	188		88.8	30.2	17.8	82.4	1989
1970	12.4	10.8	14.2	88.8	128	228	82.2	88.1	48.8	41.3	17.8	13.8	88.7	1970
1971	8.71	8.42	8.17	72.8	218	428	208	82.2	82.8	121	33.3	21.3	117	1971
1972	11.2	10.8	18.4	108	288	881	178	82.8	42.8	183	83.8	28.8	137	1972
1973	20.4	18.8	12.8	114	288	218	102	87.4	88.7	88.2	25.4	20.7	84.1	1973
1974	12.3	10.8	8.88	188	288	328	188	88.1	87.7	88.8	28.8	18.2	111	1974
1975	12.2	8.33	8.81	32.8	181	258	223	88.8	42.8	28.8	82.2	21.8	78.8	1975
1976	17.8	18.8	12.8	131	288	308	278	288	128	72.1	34.4	21.1	148	1976
1977	17.4	15.8	13.2	88.8	282	282	223	117	102	182	80.4	22.8	124	1977
1978	14.4	10.8	13.1	48.2	148	208	188	71.8	88.2	84.2	82.8	18.8	77.7	1978
1979	12.8	10.8	14.2	88.8	278	278	184	48.8	80.7	28.8	12.8	8.12	87.8	1979
1980	7.78	7.33	8.88	88.8	171	488	172	108	148	81.2	34.3	28.4	108	1980
1981	22.2	23.2	28.4	78.8	288	302	88.2	82.4	28.3	32.4	32.2	12.8	78.3	1981
1982	8.88	8.84	7.83	28.8	238	318	487	287	113	88.1	28.8	18.2	134	1982
1983	12.8	10.4	8.87	82.3	288	238	287	87.7	42.8	84.8	31.3	13.3	87.1	1983
1984	11.8	11.8	12.8	33.7	128	273	117	88.8	102	101	88.2	18.1	73.4	1984
MEAN	14.8	13.8	13.7	84.7	288	338	208	103	78.3	78.8	37.8	20.8	108	MEAN

LOCATION - LAT 55 04 20 N LONG 118 48 10 W DRAINAGE AREA, 11 300 km^2 NATURAL FLOW

WAPITI RIVER NEAR GRANDE PRAIRIE - STATION NO. 07GE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1918	---	30.18 ON JAN 8	7.388 ON MAR 17	---	1918
1980	---	---	---	---	1980
1981	---	388 ON MAY 24	4.828 ON FEB 18 *	1 828 888	1981
1982	1 388 AT 18:88 MST ON JUL 18	1 828 ON JUL 18	7.858 ON MAR 8	3 388 888	1982
1983	---	838 ON MAY 23	11.1 B ON DEC 21	2 748 888	1983
1984	---	2 888 ON JUN 28	8.888 ON JAN 24	8 328 888	1984
1985	2 728A AT 21:88 MST ON JUL 8	2 288 A ON JUL 8	8 838 ON JAN 14	8 128 888	1838
1828	848 AT 28:18 MST ON MAY 11	888 ON MAY 11	11.8 B ON JAN 28	3 278 888	1988
1887	---	858 ON JUN 3	8.888 ON DEC 17	4 858 888	1887
1888	848 AT 18:38 MST ON JUN 14	887 ON JUN 14	11.2 B ON JAN 18	3 388 888	1888
1889	---	482 ON MAY 4	7.838 ON MAR 28	2 818 888	1889
1878	---	487 ON JUN 4	8.858 ON MAR 4	1 858 888	1878
1871	1 848 AT 18:88 MST ON JUN 17	858 ON JUL 13	7.388 ON JAN 28	3 788 888	1871
1872	8 878 AT 88:88 MST ON JUN 13	3 888 ON JUN 13 *	8.738 ON JAN 15	4 228 888	1872
1873	---	488 A ON MAY 18	11.8 B ON MAR 22	2 858 888	1873
1874	888 AT 18:88 MST ON APR 28	888 ON APR 28	8.878 ON MAR 31	3 818 888	1874
1875	834 AT 88:38 MST ON JUL 17	581 ON JUL 17	8.418 ON FEB 13	2 418 888	1875
1876	1 848 AT 28:88 MST ON AUG 8	838 ON AUG 8	18.8 B ON DEC 8	4 588 888	1878
1877	1 838 AT 18:88 MST ON MAY 8	888 ON MAY 7	18.2 B ON JAN 3	3 818 888	1877
1878	788 AT 82:38 MST ON JUL 12	848 ON JUL 12	8.858 ON FEB 8	2 458 888	1878
1879	888 AT 18:88 MST ON MAY 27	888 ON JUN 4	8.488 ON DEC 2	2 788 888	1878
1888	1 238 AT 88:38 MST ON JUN 8	1 188 ON JUN 8	5.838 ON JAN 28	3 288 888	1888
1881	812 AT 18:28 MST ON MAY 27	888 ON MAY 27	8.788 ON DEC 31	3 278 888	1881
1882	8 388 AT 23:88 MST ON JUL 18 *	2 838 A ON JUL 18	7.818 ON MAR 1	4 238 888	1882
1883	847 AT 17:88 MST ON JUL 18	882 ON JUN 21	8.338 ON FEB 27	2 758 888	1883
1884	442 AT 18:38 MST ON JUN 14	428 ON JUN 8	8.838 ON JAN 22	3 228 888	1884
				3 388 888	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WARE COULEE ABOVE MATZHIWIN CREEK - STATION NO. 05CJ006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	0.569	1.06	3.09	2.05	0.787	1.34	---	---	1.77	1954
1955	---	---	---	---	1.12	1.09	1.92	2.13	1.10	0.696	---	---	1.46	1955
1956	---	---	---	---	0.852	2.33	2.13	1.61	1.04	1.24	---	---	1.50	1956
1957	---	---	---	---	0.812	2.16	1.93	2.12	1.08	0.902	---	---	1.52	1957
1958	---	---	---	---	0.650	2.09	1.81	1.92	0.702	0.722	---	---	1.45	1958
1959	---	---	---	---	0.248	1.60	1.63	1.96	1.13	0.531	---	---	1.18	1959
1960	---	---	---	---	0.299	0.674	1.54	1.70	0.381	0.273	---	---	0.815	1960
1961	---	---	---	---	0.414	0.528	0.805	0.784	0.743	0.652	---	---	0.667	1961
1962	---	---	---	---	0.511	1.31	1.56	0.441	0.386	0.231	---	---	0.738	1962
1963	---	---	---	---	0.461	1.67	0.778	0.785	0.218	0.336	---	---	0.738	1963
1964	---	---	---	---	0.426	0.861	0.868	0.940	0.474	0.447	---	---	0.851	1964
1965	---	---	---	---	0.291	1.02	0.469	1.25	0.340	0.783	---	---	0.686	1965
1966	---	---	---	---	0.559	1.18	2.02	1.30	0.398	0.315	---	---	0.858	1966
1967	---	---	---	---	0.677	0.388	0.730	1.42	0.581	0.729	---	---	0.767	1967
1968	---	---	---	---	0.586	0.731	1.10	0.545	0.527	0.867	---	---	0.725	1968
1969	---	---	---	---	0.817	1.18	0.883	1.31	0.950	0.826	---	---	0.926	1969
1970	---	---	---	---	---	---	1.24	0.445	0.438	0.590	---	---	---	1970
1971	---	---	---	---	0.488	0.811	0.920	0.885	0.891	0.844	---	---	0.732	1971
1972	---	---	---	---	0.818	1.13	1.48	1.57	1.10	0.829	---	---	1.07	1972
1973	---	---	---	---	0.450	0.784	0.403	0.886	---	---	---	---	---	1973
1974	---	---	---	---	0.486	0.774	0.953	1.21	1.57	0.817	---	---	0.983	1974
1975	---	---	---	---	---	0.370	0.749	1.57	---	---	---	---	---	1975
1976	---	---	---	---	---	1.18	---	---	0.898	---	---	---	---	1976
1977	---	---	---	---	0.414	0.383	0.227	0.117	0.074	0.148	---	---	0.223	1977
1978	---	---	0.138R	0.220R	0.317R	0.405R	0.827R	0.828R	0.795R	0.361R	---	---	0.606R	1978
1979	---	---	0.278R	0.080R	0.126R	1.02 R	0.775R	1.16 R	1.13 R	0.459R	---	---	0.775R	1979
1980	---	---	---	---	0.587R	1.24 R	0.894R	0.744R	0.818R	0.287R	---	---	0.722R	1980
1981	---	---	---	0.078R	0.304R	0.811R	1.32 R	1.07 R	0.810R	0.694R	---	---	0.888R	1981
1982	---	---	---	---	---	0.842	1.26	1.18	0.862	1.11	---	---	0.935	1982
1983	---	---	---	---	0.388	0.836	1.36	1.24	0.576	0.404	0.087	---	0.820	1983
1984	---	---	---	---	0.393	1.12	0.823	1.01	1.24	0.881	---	---	0.841	1984
MEAN	---	---	0.208R	0.128R	0.520R	1.13 R	1.19 R	1.23 R	0.752R	0.620R	0.087	---	0.930	MEAN

LOCATION - LAT 50 47 45 N DRAINAGE AREA, 83.0 km²
LONG 111 48 55 W REGULATED

R - REVISED SINCE JAN 1980

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

WARE COULEE ABOVE MATZHIWIN CREEK - STATION NO. 05CJ006

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	8.10 AT 14:00 MST ON AUG 5	7.98 ON AUG 4	0 ON SEP 11 *	26 200	1954
1955	4.67 AT 08:00 MST ON JUL 6	3.88 ON JUL 2	0.028E ON MAY 1	23 500	1955
1956	17.0 E AT 08:00 MST ON AUG 3	10.5 E ON AUG 3 *	0.037 ON MAY 10	23 900	1956
1957	3.57 AT 19:00 MST ON JUL 13	3.51 A ON MAY 15	0.082A ON MAY 10	24 100	1957
1958	4.79 AT 10:00 MST ON JUN 29	4.82 ON JUN 29	0.040A ON MAY 10	23 500	1958
1959	8.31 AT 20:00 MST ON JUN 27	4.70 ON JUN 27	0.025 ON MAY 1	16 800	1959
1960	3.43 AT 01:00 MST ON JUL 5	3.20 ON JUL 5	0.057E ON MAY 1	13 000	1960
1961	2.37 AT 18:00 MST ON AUG 27	2.48 ON SEP 27	0.048 ON MAY 1	10 800	1961
1962	---	3.80 ON JUL 14	0.005 ON MAY 2	11 700	1962
1963	25.5 E AT 04:00 MST ON JUN 22 *	3.98 E ON JUN 22	0.031 ON MAY 3	11 700	1963
1964	---	2.68 ON JUN 17	0.085 ON JUL 3	8 240	1964
1965	---	4.19 ON JUN 28	0.025E ON MAY 1	10 800	1965
1966	3.82 AT 09:00 MST ON JUL 28	3.45 ON JUN 25	0.122 ON SEP 12	15 400	1966
1967	---	2.27 E ON MAY 1	0.057 ON JUN 24	12 500	1967
1968	3.28 AT 17:30 MST ON JUN 30	2.71 ON JUN 30	0.118 ON SEP 4	11 500	1968
1969	---	3.40 ON JUN 29	0.158 ON OCT 25	14 700	1969
1970	---	---	---	---	1970
1971	2.04 AT 20:00 MST ON JUL 14	2.01 ON JUL 14	0.133E ON OCT 31	11 800	1971
1972	---	3.00 ON JUL 10	0.184E ON OCT 31	17 000	1972
1973	---	2.94 ON JUN 15	---	---	1973
1974	---	2.14 ON SEP 22	0.204 ON OCT 28	15 300	1974
1975	---	---	---	---	1975
1976	---	---	---	---	1976
1977	---	0.857 ON MAY 5	0.017E ON AUG 27	3 550	1977
1978	2.84 AT 11:40 MST ON JUL 22	3.26 R ON JUL 24	0.013R ON JUN 21	8 830R	1978
1979	---	5.61 R ON JUN 20	0.037R ON MAY 25	12 300R	1979
1980	4.66 AT 13:30 MST ON JUN 27	3.27 R ON JUN 27	0.022R ON JUN 15	11 500R	1980
1981	3.65 AT 04:00 MST ON JUL 5	3.10 R ON JUL 5	0.058R ON MAY 4	13 600R	1981
1982	---	3.66 ON JUL 2	0.029 ON MAY 3	14 800	1982
1983	---	2.88 ON JUL 3	0.009E ON MAY 5	13 000	1983
1984	---	4.27 ON JUL 31	0 E ON JUL 15	13 400	1984
				14 500R	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) E - ESTIMATED * - EXTREME RECORDED FOR THE PERIOD OF RECORD R - REVISED SINCE JAN 1980

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07EE001

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1988	---	---	0.346	2.93	8.78	9.65	3.20	5.05	2.34	1.33	---	---	---	1988
1989	---	---	0.200	10.1	7.79	1.83	1.77	0.688	2.83	1.80	---	---	---	1989
1970	---	---	0.462	5.60	12.4	2.26	1.33	0.608	0.422	0.507	0.381	0.326	---	1970
1971	0.280	0.207	0.180	11.8	7.06	23.6	35.9	5.00	3.48	6.85	4.08	3.15	8.41	1971
1972	0.884	0.188	0.237	10.8	21.8	14.9	5.18	2.05	1.05	2.28	1.57	0.838	5.18	1972
1973	0.608	0.511	0.585	14.1	20.0	8.88	2.05	2.07	1.48	3.45	1.87	0.828	4.78	1973
1974	0.848	0.485	0.486	28.0	28.7	2.23	1.07	0.488	0.888	0.823	0.330	0.316	8.36	1974
1975	0.387	0.384	0.408	3.43	7.88	3.27	3.85	0.888	0.878	0.878	0.730	0.432	1.82	1975
1976	0.411	0.438	0.305	15.0	8.88	9.80	5.34	21.0	11.1	2.04	1.33	0.840	6.18	1976
1977	0.888	0.747	0.803	13.2	28.1	13.1	10.8	6.34	4.89	4.84	1.06	0.888	7.72	1977
1978	0.820	0.888	0.631	7.17	13.2	28.4	4.81	2.38	11.8	4.10	1.85	0.802	6.18	1978
1979	0.630	0.397	0.548	4.78	28.6	28.9	22.2	3.32	0.878	0.914	0.798	0.805	7.49	1979
1980	0.544	0.388	0.344	5.38	8.21	33.1	10.2	2.83	5.84	2.41	0.898	0.335	5.26	1980
1981	0.894	0.575	1.08	9.80	10.8	8.88	2.77	2.08	0.388	0.488	0.836	0.228	3.23	1981
1982	0.088	0.248	0.837	1.84	27.1	3.80	16.8	15.8	3.38	2.00	1.18	0.478	8.33	1982
1983	0.308	0.313	0.384	2.80	8.00	14.8	21.8	4.08	3.01	1.82	1.77	0.836	4.73	1983
1984	0.880	0.818	0.881	7.84	23.7	8.28	1.80	1.12	18.4	4.88	1.80	1.04	6.88	1984
MEAN	0.478	0.433	0.484	8.80	15.5	12.1	8.34	4.81	4.08	2.37	1.33	0.708	6.80	MEAN

LOCATION - LAT 54 45 03 N DRAINAGE AREA, 1 040 km²
LONG 117 12 20 W NATURAL FLOW

WASKAHIGAN RIVER NEAR THE MOUTH - STATION NO. 07EE001

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1988	48.0 AT 01:30 MST ON JUN 14	39.8 ON JUN 14	---	---	1988
1989	---	38.58 ON APR 18	---	---	1989
1970	32.6 AT 10:00 MST ON MAY 11	31.7 ON MAY 11	---	---	1970
1971	181 AT 15:00 MST ON JUL 12	181 ON JUL 12 *	0.0888 ON MAR 23	258 000	1971
1972	100 AT 13:30 MST ON JUN 28	90.6 ON JUN 28	0.0888 ON FEB 27	184 000	1972
1973	51.3 AT 10:00 MST ON APR 28	48.3 ON APR 28	0.3868 ON FEB 13	150 000	1973
1974	92.6 AT 12:30 MST ON APR 28	82.3 ON APR 28	0.2138 ON DEC 8	188 000	1974
1975	28.5 AT 20:00 MST ON JUN 28	22.8 ON JUN 30	0.3178 ON FEB 8	80 800	1975
1978	88.0 AT 08:00 MST ON AUG 17	64.8 ON AUG 17	0.2188 ON MAR 8	198 000	1978
1977	104 AT 19:30 MST ON MAY 8	87.6 ON MAY 7	0.4428 ON MAR 28	243 000	1977
1978	171 AT 14:00 MST ON JUN 15	148 ON JUN 15	0.4268 ON MAR 5	194 000	1978
1979	174 AT 19:30 MST ON JUN 14 *	128 ON JUN 14	0.3908 ON FEB 11	228 000	1979
1980	108 AT 04:00 MST ON JUN 8	104 ON JUN 8	0.1808 ON MAR 20	188 000	1980
1981	35.8 AT 01:30 MST ON JUN 2	33.8 ON JUN 2	0.1208 ON DEC 31	102 000	1981
1982	142 AT 10:30 MST ON JUL 18	121 ON JUL 18	0.0508 ON JAN 23 *	260 000	1982
1983	107 AT 12:00 MST ON JUL 27	101 ON JUL 27	0.2258 ON JAN 24	148 000	1983
1984	92.4 AT 22:00 MST ON MAY 17	82.6 ON MAY 18	0.428 ON AUG 2	180 000	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		177 000	MEAN

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 08EC002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1986	---	---	---	---	---	---	---	---	0.002	0	---	---	---	1986
1987	---	---	0	0.238	1.45	0.026	0	0	0	0	---	---	0.218	1987
1988	---	---	0.778	0.130	0.011	0	0.002	0	0	0	---	---	0.118	1988
1989	---	---	0	3.10	0.145	0.006	0	0.015	0	0	---	---	0.278	1989
1970	---	---	0	1.84	0.080	0.001	0.017	0.337	0.107	0.080	---	---	0.301	1970
1971	---	---	0.012	7.80	0.815	0.205	4.07	0.837	0.130	0.032	---	---	1.88	1971
1972	---	---	0	5.37	1.95	0.130	0.012	0.007	0	0.004	---	---	1.05	1972
1973	---	---	0.012	0.104	0.036	0.213	0.078	0.071	0.043	0.036	---	---	0.074	1973
1974	---	---	0	5.36	2.10	0.180	0.172	0.017	0.021	0.018	---	---	1.36	1974
1975	---	---	0	0.838	0.271	0.038	0.208	0.128	0.838	0.128	---	---	0.278	1975
1976	---	---	0.002	1.83	0.047	0.010	0.048	0.080	0.008	0	---	---	0.211	1976
1977	---	---	0	1.87	0.217	0.314	0.034	0.171	0.177	0.372	---	---	0.385	1977
1978	---	---	0.048	3.71	0.282	1.42	0.232	0.088	0.808	0.718	---	---	0.810	1978
1979	---	---	0.001	5.82	2.48	0.188	0.822	0.318	0.118	0.080	---	---	1.17	1979
1980	---	---	0	1.08	0.072	0.125	0.088	0.178	0.288	0.880	---	---	0.305	1980
1981	---	---	0.827	4.43	0.248	0.008	0	0	0	0	---	---	0.883	1981
1982	---	---	0	0.888	0.232	0.037	0.023	0.008	0	0	---	---	0.122	1982
1983	---	---	0	0.140	0.008	0.008	0.017	0.018	0.013	0.017	---	---	0.027	1983
1984	---	---	0.180	0.882	0.083	0.188	0.073	0.002	0.005	0.008	---	---	0.138	1984
MEAN	---	---	0.081	2.81	0.878	0.171	0.308	0.114	0.148	0.184	---	---	0.811	MEAN

LOCATION - LAT 54 07 23 N DRAINAGE AREA, 312 km²
LONG 112 48 58 W NATURAL FLOW

WASKATENAU CREEK NEAR WASKATENAU - STATION NO. 05EC002

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1966	---	---	0 ON AUG 2 *	---	1966
1967	---	5.44 ON MAY 4	0 B ON MAR 1	4 570	1967
1968	---	1.76 B ON MAR 8	0 ON MAY 3	2 460	1968
1969	6.74 AT 05:00 MST ON APR 15	6.65 ON APR 15	0 B ON MAR 1	5 880	1969
1970	4.76 AT 00:00 MST ON APR 15	4.59 ON APR 16	0 B ON MAR 1	6 380	1970
1971	45.3 AT 14:30 MST ON APR 22 *	44.2 ON APR 22 *	0.005 ON OCT 16	35 000	1971
1972	28.6 AT 16:30 MST ON APR 17	17.4 ON APR 18	0 B ON MAR 1	22 200	1972
1973	3.14 AT 14:00 MST ON JUN 28	0.837 ON JUN 28	0 B ON MAR 1	1 570	1973
1974	34.0 AT 05:00 MST ON APR 21	32.6 ON APR 20	0 B ON MAR 1	28 300	1974
1975	3.088 AT 19:30 MST ON APR 22	2.87 B ON APR 23	0 B ON MAR 1	5 870	1975
1976	3.84 AT 16:30 MST ON APR 10	3.61 ON APR 10	0 B ON MAR 1	4 480	1976
1977	5.638 AT 13:30 MST ON APR 10	5.75 B ON APR 10	0 B ON MAR 1	7 730	1977
1978	8.018 AT 13:50 MST ON APR 8	7.53 B ON APR 8	0 B ON MAR 1	10 300	1978
1979	24.8 AT 01:10 MST ON APR 26	24.2 ON APR 26	0 B ON MAR 1	24 900	1979
1980	---	3.72 B ON APR 14	0 B ON MAR 1	6 450	1980
1981	16.0 AT 02:50 MST ON APR 2	15.2 B ON APR 2	0 B ON MAR 1	13 900	1981
1982	2.58 AT 02:00 MST ON APR 22	2.28 ON APR 22	0 B ON MAR 1	2 590	1982
1983	1.69 AT 11:05 MST ON JUL 18	0.3679 ON APR 14	0 B ON MAR 1	561	1983
1984	1.70 AT 13:20 MST ON APR 2	1.33 ON APR 4	0 B ON MAR 1	2 940	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		10 800	MEAN

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	0	0	0	0	2.22	8.22	4.71	1.47	0.368	0.333	0.340	0.026	1.31	1968
1969	0	0	0	0	0	0	0	3.83	17.2	0.355	0	0	1.76	1969
1970	0	0	0	0	0	10.8	14.2	13.8	0	0	0	0	3.27	1970
1971	0	0	0	0.002	0	0.999	12.8	18.8	8.86	0	0	0	3.38	1971
1972	0	0	0	0	0	0	12.2	0.510	9.21	9.67	4.13	0	3.04	1972
1973	0	0	0	0	19.3	22.5	16.9	14.3	2.86	0.357	0	0	8.59	1973
1974	0	0	0	0	0	0	0.412	3.86	3.83	13.9	0	0	1.67	1974
1975	0	0	0	0	0	0	1.53	14.4	13.0	8.37	8.20	0	3.72	1975
1976	---	---	---	0	0	8.36	12.8	1.15	1.86	4.70	---	---	---	1976
1977	0	0	0	5.12	40.6	36.4	10.9	14.0	17.1	7.83	0	0	11.0	1977
1978	0	0	0	0	7.28	0	0	1.10	0	0	0	0	0.710	1978
1979	0	0	0	0	0	10.4	28.7	10.0	7.26	4.26	0	0	6.19	1979
1980	0	0	0	8.87	33.0	8.48	11.7	11.2	12.2	10.6	0	0	8.14	1980
1981	0	0	8.86	8.84	13.0	13.6	28.7	17.0	13.4	23.1	0.411	0	10.3	1981
1982	0	0	0	0	20.9	9.06	14.7	22.6	9.06	3.86	0	0	8.75	1982
1983	0	0	0	11.8	14.8	44.3	31.0	20.7	7.16	4.36	0	0	11.2	1983
1984	0	0	0.706	13.3	35.2	40.4	43.3	20.3	7.43	12.0	0	0	14.4	1984
MEAN	0	0	0.393	2.83	10.9	13.6	14.6	11.2	7.83	6.16	0.693	0.002	5.78	MEAN

LOCATION - LAT 49 10 20 N
LONG 113 38 1" W REGULATED SINCE 1968

WATERTON - BELLY DIVERSION CANAL - STATION NO. 05AD027

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1968	---	18.2 ON AUG 13	0 ON JAN 1 *	41 300	1968
1969	---	28.2 ON AUG 28	0 ON JAN 1	56 200	1969
1970	---	28.2 ON JUN 10	0 ON JAN 1	103 000	1970
1971	---	28.4 ON AUG 18	0 ON JAN 1	105 000	1971
1972	---	26.0 ON OCT 21	0 ON JAN 1	95 100	1972
1973	---	35.7 ON JUN 11	0E ON JAN 1	305 000	1973
1974	---	31.1 ON OCT 17	0E ON JAN 1	59 000	1974
1975	---	25.2 ON NOV 1	0 ON JAN 1	117 000	1975
1976	---	27.3 ON JUN 22	0 ON APR 1	---	1976
1977	---	43.3 ON MAY 3	0 ON JAN 1	349 000	1977
1978	---	15.8 ON MAY 8	0 ON JAN 1	22 400	1978
1979	---	31.1 ON JUL 4	0E ON JAN 1	184 000	1979
1980	---	40.3 ON MAY 22	0E ON JAN 1	255 000	1980
1981	---	42.0 ON JUL 17	0E ON JAN 1	325 000	1981
1982	---	32.2 ON MAY 14	0E ON JAN 1	213 000	1982
1983	---	40.3 ON JUN 22 *	0E ON JAN 1	354 000	1983
1984	---	46.6 ON JUN 14	0E ON JAN 1	485 000	1984
	E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		183 000	MEAN

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD023

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	---	---	---	---	9.35	7.32	6.74	7.71	---	1966
1967	6.66	5.78	6.46	10.2	66.6	151	61.6	10.0	4.61	4.46	10.3	9.02	30.3	1967
1968	6.06	6.04	6.74	8.16	46.7	66.4	26.6	16.9	24.9	27.6	23.3	20.1	26.6	1968
1969	14.6	7.16	6.26	11.6	62.7	106	34.1	6.14	3.26	2.46	6.66	2.13	33.7	1969
1970	3.27	2.66	3.46	7.67	70.7	106	17.1	6.66	6.62	6.32	6.46	4.66	20.1	1970
1971	2.63	6.66	4.76	13.6	66.3	67.6	31.6	6.66	4.46	11.6	6.66	4.46	22.7	1971
1972	4.11	3.60	20.7	22.4	76.1	124	46.6	26.3	12.4	10.6	7.62	6.32	36.6	1972
1973	4.71	4.61	4.66	7.66	23.6	32.6	10.4	2.37	3.32	3.36	10.7	7.47	6.62	1973
1974	6.72	6.60	6.36	17.1	66.4	124	47.4	16.2	7.44	3.62	1.16	3.61	26.6	1974
1975	4.00	3.00	2.66	12.2	74.4	160	66.7	6.61	2.21	6.00	14.1	13.3	32.6	1975
1976	7.26	6.13	7.66	20.2	73.3	44.6	26.3	26.0	13.6	7.60	4.66	3.01	20.6	1976
1977	2.06	3.33	1.64	1.66	4.26	2.66	1.66	1.76	1.62	1.70	1.62	1.46	2.16	1977
1978	1.66	1.74	3.17	2.26	64.0	76.6	46.6	14.0	26.4	16.4	6.10	4.60	21.0	1978
1979	2.61	2.76	10.6	13.6	62.6	60.2	1.76	1.66	1.76	6.40	1.64	1.66	13.2	1979
1980	1.67	2.06	2.26	1.62	46.7	67.2	3.62	2.14	2.37	6.34	16.1	12.6	14.3	1980
1981	16.1	10.3	6.12	2.41	67.6	61.2	16.7	2.24	2.31	2.26	4.06	2.21	17.7	1981
1982	2.14	2.06	2.22	2.62	11.7	76.6	26.6	2.66	1.66	2.24	6.46	3.66	11.7	1982
1983	3.60	4.60	4.72	2.26	16.2	16.1	2.42	2.36	2.06	1.67	6.36	2.62	6.61	1983
1984	7.06	6.26	2.27	1.66	1.66	6.40	4.06	2.32	1.66	1.66	2.26	2.07	3.37	1984
MEAN	6.42	4.64	6.66	6.62	62.6	76.6	26.2	6.66	6.66	6.76	7.67	6.70	16.3	MEAN

LOCATION - LAT 46 26 42 N DRAINAGE AREA, 1 630 km²
LONG 113 26 00 W REGULATED SINCE 1966

WATERTON RIVER NEAR GLENWOOD - STATION NO. 05AD023

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	---	---	---	1966
1967	248 AT 01:00 MST ON JUN 6	205 ON JUN 6	3.91 B ON DEC 9	966 000	1967
1968	144 AT 14:51 MST ON JUN 6	132 ON JUN 6	3.09 ON APR 11	807 000	1968
1969	264 AT 20:30 MST ON JUN 26	232 ON JUN 26	1.96 B ON DEC 7	747 000	1969
1970	283 AT 15:10 MST ON JUN 15	270 ON JUN 15	1.46 ON OCT 26	833 000	1970
1971	150 AT 06:30 MST ON MAY 30	146 ON MAY 31	1.63 B ON JAN 15	716 000	1971
1972	221 AT 06:50 MST ON JUN 3	206 ON JUN 3	3.17 B ON JAN 1	837 000	1972
1973	66.3 AT 20:30 MST ON MAY 22	66.3 ON MAY 22	1.42 ON AUG 26	304 000	1973
1974	216 AT 00:40 MST ON JUN 19	212 ON JUN 19	0.8506 ON NOV 19 *	806 000	1974
1975	762 AT 21:30 MST ON JUN 20 *	660 ON JUN 20 *	1.27 ON SEP 16	1 040 000	1975
1976	111 AT 13:20 MST ON MAY 16	111 ON MAY 16	1.61 B ON MAR 24	667 000	1976
1977	---	7.66 ON MAY 2	1.26 B ON JAN 1	66 200	1977
1978	132 AT 17:06 MST ON JUN 10	131 ON JUN 10	1.60 B ON JAN 1	663 000	1978
1979	166 AT 16:26 MST ON MAY 26	146 ON MAY 26	1.64 B ON DEC 13	416 000	1979
1980	263 AT 04:20 MST ON MAY 26	243 ON MAY 26	1.13 ON MAY 16	461 000	1980
1981	276 AT 17:60 MST ON MAY 22	261 ON MAY 23	1.46 ON OCT 26	666 000	1981
1982	166 AT 23:00 MST ON JUN 17	137 ON JUN 16	1.60 B ON APR 7	367 000	1982
1983	61.2 AT 10:66 MST ON MAY 30	66.1 ON MAY 26	0.8506 ON JAN 24	174 000	1983
1984	36.6 AT 11:06 MST ON JUN 26	32.6 ON JUN 26	1.40 B ON DEC 30	107 000	1984
				676 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD029

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1947	---	---	---	---	29.4	26.6	11.6	3.26	3.26	10.4	3.66	1.33	---	1947
1948	0.904	0.644	0.441	3.17	26.6	26.6	6.36	4.01	1.73	1.06	0.774	0.662	6.66	1948
1949	0.604	0.606	0.666	6.36	26.1	21.7	7.76	2.66	2.61	2.26	4.66	2.62	6.46	1949
1950	1.16	1.06	1.26	2.14	16.1	46.6	26.6	6.67	2.63	7.66	6.32	4.06	6.26	1950
1951	2.64	2.23	1.06	4.41	26.4	26.4	24.6	4.66	6.61	6.46	1.61	1.66	6.13	1951
1952	0.606	0.606	0.446	6.62	24.6	21.4	6.67	3.26	1.47	0.636	0.466	0.406	6.64	1952
1953	1.47	1.32	0.733	3.23	17.6	26.6	21.6	4.64	1.66	0.633	1.76	1.16	7.76	1953
1954	0.706	0.666	0.776	1.66	26.2	32.6	30.6	6.61	4.66	6.64	3.66	1.67	6.62	1954
1955	0.606	0.566	0.466	1.11	6.36	26.6	16.1	3.73	1.66	7.77	4.16	1.74	7.14	1955
1956	1.16	0.672	0.636	4.66	26.4	34.6	16.1	3.66	1.66	3.41	1.66	1.16	7.76	1956
1957	0.724	0.676	0.662	2.16	33.6	27.3	6.62	3.16	1.32	---	---	---	---	1957
1958	---	---	---	---	---	21.6	6.36	2.36	2.66	4.26	3.64	---	---	1958
1959	---	---	---	---	---	41.1	16.2	4.26	6.34	6.67	3.63	1.61	---	1959
1960	---	---	---	---	---	36.6	16.1	3.36	2.11	1.76	1.77	1.17	---	1960
1961	0.676	---	---	---	---	46.6	6.64	2.73	1.66	4.26	1.64	0.646	---	1961
1962	0.746	---	---	---	---	26.3	6.66	3.26	1.66	3.64	3.66	2.66	---	1962
1963	---	---	---	---	---	31.6	16.1	2.61	1.66	1.26	1.46	1.67	---	1963
1964	---	---	---	---	---	46.1	17.6	2.66	2.66	---	---	---	---	1964
MEAN	1.61	0.963	0.764	3.64	23.2	32.2	14.7	3.66	2.61	4.66	2.66	1.66	7.76	MEAN

LOCATION - LAT 46 57 20 N DRAINAGE AREA, 160 km² INTERNATIONAL GAUGING STATION
LONG 113 54 00 W NATURAL FLOW

WATERTON RIVER NEAR INTERNATIONAL BOUNDARY - STATION NO. 05AD029

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1947	---	37.7 ON JUN 28	---	---	1947
1948	71.1 AT 01:00 MST ON MAY 23	62.9 ON MAY 23	0.311B ON APR 4	218 000	1948
1949	53.8 AT 05:00 MST ON MAY 26	43.3 ON MAY 26	0.481A ON FEB 15	203 000	1949
1950	72.5 AT 13:30 MST ON JUN 22	69.7 ON JUN 22	0.787 ON MAR 29	293 000	1950
1951	62.0 AT 03:00 MST ON JUN 15	58.0 ON JUN 15	0.850B ON DEC 31	288 000	1951
1952	43.0 AT 02:00 MST ON JUN 6	38.2 ON MAY 20	0.328 ON DEC 10	188 000	1952
1953	71.4 AT 12:00 MST ON JUN 13	68.2 ON JUN 13	0.255B ON JAN 7 *	245 000	1953
1954	76.7 AT 03:00 MST ON MAY 20	68.2 ON MAY 20	0.425B ON JAN 23	303 000	1954
1955	66.0 AT 00:00 MST ON JUN 24	61.2 ON JUN 23	0.340B ON MAR 21	225 000	1955
1956	86.6 AT 03:00 MST ON JUN 2	81.7 ON MAY 21	0.453B ON FEB 17	248 000	1956
1957	53.0 AT 03:00 MST ON JUN 4	49.6 ON JUN 5	---	---	1957
1958	52.4 AT 05:00 MST ON MAY 24	49.3 ON MAY 24	---	---	1958
1959	87.7 AT 01:00 MST ON JUN 6	81.4 ON JUN 6	---	---	1959
1960	57.2 AT 01:00 MST ON JUN 17	50.1 ON JUN 3	---	---	1960
1961	71.4 AT 09:00 MST ON MAY 27	67.1 ON MAY 27	---	---	1961
1962	40.8 AT 04:15 MST ON JUN 18	36.8 ON JUN 18	---	---	1962
1963	52.1 AT 12:00 MST ON JUN 10	47.0 ON JUN 10	---	---	1963
1964	351 AT 05:00 MST ON JUN 8 *	206 ON JUN 8 *	---	---	1964
				245 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX) B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR STAND OFF - STATION NO. 05AD008

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1915	---	---	---	---	---	---	---	---	---	---	14.7	8.87	---	1915
1916	5.63	19.1	18.8	22.2	48.4	137	83.2	22.1	18.3	8.76	9.84	6.23	33.2	1916
1917	4.52	3.42	3.37	11.4	68.9	110	55.2	12.7	6.46	4.81	---	---	---	1917
1918	---	---	---	---	---	72.4	20.7	11.7	11.9	8.89	5.84	3.34	---	1918
1919	2.63	4.29	3.17	11.4	58.0	50.6	21.3	8.68	4.63	3.52	4.33	4.77	14.7	1919
1920	5.28	5.81	6.19	13.4	54.1	87.1	54.0	13.2	8.19	10.7	6.13	5.17	22.5	1920
1921	3.77	5.80	6.75	22.0	72.1	102	41.2	12.5	7.78	9.62	7.58	5.30	24.8	1921
1922	4.80	3.10	3.40	12.6	71.5	103	32.3	10.5	6.22	5.40	7.30	3.36	22.0	1922
1923	4.26	3.02	4.09	13.7	68.9	151	36.2	18.2	10.6	9.76	7.28	5.07	27.7	1923
1924	4.15	5.87	6.71	11.5	62.2	102	34.4	20.4	7.81	6.66	---	---	---	1924
1925	---	---	11.0	36.2	69.5	89.2	34.6	13.0	15.5	21.8	---	---	---	1925
1926	---	---	5.31	24.9	36.6	29.2	18.4	8.70	26.7	34.5	---	---	---	1926
1927	---	---	7.13	23.5	97.6	170	82.7	27.6	50.1	34.5	---	---	---	1927
1928	---	---	---	16.5	89.6	105	77.1	19.6	13.2	22.3	---	---	---	1928
1929	---	---	4.28	13.9	66.6	66.4	28.9	8.95	6.84	7.70	---	---	---	1929
1930	---	---	8.28	36.4	66.6	69.1	26.6	10.1	7.77	7.55	---	---	---	1930
1931	---	---	3.39	6.32	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	11.2	46.7	68.9	32.2	10.6	6.40	5.11	---	---	---	1935
1936	---	---	6.66	17.5	70.6	66.1	---	6.08	6.36	5.11	---	---	---	1936
1937	---	---	4.66	7.62	62.2	126	26.2	8.61	6.41	6.47	---	---	---	1937
1938	---	---	4.06	19.4	80.7	101	34.4	10.6	6.60	6.46	---	---	---	1938
1939	---	---	6.41	14.6	66.6	46.6	19.7	8.24	4.36	7.29	---	---	---	1939
1940	---	---	6.31	12.4	80.7	46.7	17.2	6.36	7.72	10.7	---	---	---	1940
1941	---	---	3.92	11.1	42.7	39.9	22.9	7.92	12.6	18.0	---	---	---	1941
1942	---	---	4.18	21.8	71.7	118	64.6	22.7	18.1	14.6	---	---	---	1942
1943	---	---	10.6	47.0	64.6	96.6	64.4	18.3	7.43	4.73	---	---	---	1943
1944	---	---	2.96	8.94	36.6	60.7	19.6	8.78	8.12	6.97	---	---	---	1944
1945	---	---	8.46	6.80	82.3	120	32.2	8.41	8.06	8.86	---	---	---	1945
1946	---	---	6.01	17.2	72.4	63.8	30.7	8.12	10.7	13.0	---	---	---	1946
1947	---	---	11.0	24.3	81.7	76.7	36.6	12.0	18.6	30.8	---	---	---	1947
1948	---	---	---	24.2	109	192	40.4	22.6	7.59	6.56	4.23	3.59	---	1948
1949	2.77	2.44	4.37	12.6	72.1	66.6	28.6	16.1	10.6	6.86	9.16	11.8	20.7	1949
1950	5.14	6.26	7.62	21.9	86.2	133	70.7	20.4	6.33	16.2	26.6	13.2	31.6	1950
1951	6.26	6.61	8.44	37.0	117	126	114	61.8	71.8	67.2	17.6	8.67	62.7	1951
1952	6.86	7.49	10.8	42.8	73.2	60.1	36.7	23.0	8.23	6.27	2.76	2.66	23.4	1952
1953	3.78	4.86	7.64	21.0	78.6	156	61.6	18.7	8.24	4.84	6.33	4.09	31.6	1953
1954	3.60	6.16	6.66	16.2	90.3	101	66.6	21.6	19.6	20.6	13.3	10.3	33.1	1954
1955	7.14	6.24	6.46	19.3	66.6	116	69.6	14.6	6.67	16.3	16.0	6.43	27.0	1955
1956	6.77	3.06	10.2	22.4	87.7	96.6	63.4	14.6	7.06	7.36	6.80	6.74	26.6	1956
1957	3.64	3.64	6.26	6.46	106	60.7	20.2	6.42	6.76	11.0	16.6	7.06	23.4	1957
1958	6.66	2.67	6.10	26.4	66.1	66.1	26.2	10.6	7.17	6.64	7.64	7.72	26.0	1958
1959	6.13	6.06	6.66	23.6	66.0	116	62.6	13.6	16.3	26.6	14.6	7.26	30.6	1959
1960	4.76	4.66	13.3	21.6	61.7	76.3	26.4	13.7	6.61	3.62	3.66	3.14	20.1	1960
1961	3.64	4.11	6.26	6.27	61.3	122	26.2	6.66	7.66	17.1	12.6	6.47	26.4	1961
1962	3.76	6.01	7.12	26.6	46.6	73.6	26.7	10.6	7.64	6.41	6.06	6.67	19.6	1962
1963	6.14	6.66	6.62	6.36	47.7	66.6	46.6	6.91	6.76	6.61	6.76	6.36	20.6	1963
1964	3.06	2.67	3.26	6.66	76.3	164	66.4	10.1	6.63	13.6	7.21	4.36	31.1	1964
1965	4.16	3.36	1.36	13.7	17.6	133	62.3	16.1	13.2	17.7	16.0	6.64	26.1	1965
1966	6.63	6.91	7.66	11.4	66.6	116	47.2	16.6	10.0	---	---	---	---	1966
MEAN	4.62	5.42	6.76	16.4	66.6	96.6	43.3	14.4	11.6	12.6	6.91	6.32	26.7	MEAN

LOCATION - LAT 49 30 07 N LONG 113 19 34 W DRAINAGE AREA, 1 730 km^2 REGULATED

WATERTON RIVER NEAR STAND OFF - STATION NO. 05AD005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1915	---	---	---	---	1915
1916	---	287 ON JUN 22	4.25 B ON JAN 28	1 050 000	1916
1917	---	144 ON JUN 11	---	---	1917
1918	---	122 ON JUN 13	---	---	1918
1919	---	116 ON MAY 28	1.78 B ON JAN 24	483 000	1919
1920	---	133 ON JUN 17	1.78 B ON DEC 8	711 000	1920
1921	---	136 ON JUN 9	2.78 B ON JAN 14	785 000	1921
1922	---	175 ON JUN 5	1.78 B ON DEC 8	895 000	1922
1923	---	309 ON JUN 2	2.88 B ON FEB 15	874 000	1923
1924	---	184 ON JUN 16	---	---	1924
1925	---	163 ON MAY 22	---	---	1925
1926	---	64.6 ON OCT 18	---	---	1926
1927	---	263 ON JUN 10	---	---	1927
1928	---	283 ON JUL 2	---	---	1928
1929	---	181 ON MAY 25	---	---	1929
1930	---	95.1 ON MAY 22	---	---	1930
1931	---	---	---	---	1931
1935	---	102 ON MAY 25	---	---	1935
1936	---	122 ON MAY 18	---	---	1936
1937	---	380 ON JUN 13	---	---	1937
1938	---	148 ON MAY 28	---	---	1938
1939	---	87.4 ON MAY 20	---	---	1939
1940	---	87.4 ON MAY 27	---	---	1940
1941	---	55.8 ON JUN 2	---	---	1941
1942	---	447 ON JUN 8	---	---	1942
1943	---	139 ON MAY 31	---	---	1943
1944	---	73.8 ON JUN 17	---	---	1944
1945	---	190 ON JUN 7	---	---	1945
1946	---	130 ON MAY 28	---	---	1946
1947	---	117 ON MAY 10	---	---	1947
1948	---	317 ON JUN 17	---	---	1948
1949	---	117 ON MAY 31	2.01 B ON FEB 18	852 000	1949
1950	---	189 ON JUN 21	4.13 B ON JAN 30	994 000	1950
1951	---	284 ON JUN 25	3.60 B ON MAR 11	1 680 000	1951
1952	---	108 ON MAY 21	0.7068 ON DEC 28	738 000	1952
1953	---	382 ON JUN 4	1.27 B ON JAN 10	884 000	1953
1954	---	202 ON MAY 22	1.38 B ON JAN 23	1 050 000	1954
1955	---	178 ON MAY 19	2.81 B ON DEC 18	851 000	1955
1956	---	180 ON MAY 23	2.89 B ON FEB 10	851 000	1956
1957	---	188 ON MAY 21	3.11 B ON FEB 23	739 000	1957
1958	---	139 ON MAY 27	1.73 B ON FEB 14	790 000	1958
1959	---	171 ON JUN 7	2.86 B ON DEC 9	974 000	1959
1960	---	120 ON JUN 4	2.01 B ON JAN 14	838 000	1960
1961	---	203 ON MAY 27	1.84 B ON DEC 11	801 000	1961
1962	---	121 ON JUN 18	0.9818 ON JAN 18	828 000	1962
1963	---	180 ON JUN 12	1.83 B ON DEC 30	857 000	1963
1964	---	467 ON JUN 10 *	1.88 B ON FEB 8	983 000	1964
1965	---	286 ON JUN 28	0.0408 ON MAR 19 *	824 000	1965
1966	---	202 ON JUN 6	---	---	1966
				843 000	MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	---	---	171	52.5	13.7	6.85	---	---	---	---	1908
1909	---	---	---	---	43.2	133	60.6	22.2	8.91	6.27	---	---	---	1909
1910	---	---	---	31.3	80.6	81.6	23.6	9.84	17.7	30.1	20.7	---	---	1910
1911	---	---	---	---	---	47.7	88.0	32.2	21.1	35.6	12.8	---	---	1911
1912	6.88	6.13	2.20	10.3	42.6	49.4	34.1	12.6	7.88	8.36	10.6	8.13	16.6	1912
1913	3.38	2.69	3.38	11.6	44.7	85.6	32.1	18.1	7.74	10.9	9.42	5.08	20.4	1913
1914	4.59	3.61	3.71	17.3	84.2	89.5	25.6	12.2	11.2	24.2	18.2	8.70	19.6	1914
1915	3.14	2.58	2.80	15.6	38.6	48.5	27.6	14.0	14.4	15.3	10.9	6.57	16.6	1915
1916	3.48	4.84	7.81	12.7	36.0	104	89.1	19.4	16.2	9.44	4.46	2.76	23.6	1916
1917	3.48	2.63	2.22	3.27	82.1	88.7	49.6	9.83	8.20	4.01	3.33	4.23	19.1	1917
1918	11.0	4.58	3.58	14.2	33.0	89.9	18.0	8.82	7.31	6.78	6.37	3.08	18.6	1918
1919	3.74	3.61	3.06	10.1	80.9	80.0	16.3	8.84	3.82	2.93	2.81	3.27	13.0	1919
1920	3.28	3.61	2.78	4.87	35.3	78.6	50.0	11.0	7.83	9.83	8.77	4.41	18.1	1920
1921	3.38	4.28	6.82	16.0	83.2	84.6	34.6	10.4	8.38	7.03	5.88	5.38	21.4	1921
1922	4.38	2.97	2.38	4.87	84.6	88.0	25.7	7.83	4.81	4.88	5.66	2.78	17.4	1922
1923	3.47	2.81	2.78	8.84	80.7	80.6	26.4	10.6	7.08	7.19	6.30	4.80	18.4	1923
1924	3.63	4.12	4.29	5.66	87.6	78.4	25.1	11.6	8.21	6.88	6.89	10.2	18.3	1924
1925	8.21	5.47	5.38	18.4	82.6	71.0	24.7	10.3	8.87	8.94	8.81	4.84	19.7	1925
1926	3.87	3.83	3.38	20.1	30.0	18.1	12.6	8.02	18.2	24.6	8.80	8.31	12.6	1926
1927	4.18	3.41	3.08	9.00	82.6	120	86.4	18.7	24.2	19.9	12.1	7.03	27.7	1927
1928	4.01	3.36	6.10	8.78	81.6	89.6	84.2	11.4	7.82	13.0	6.86	3.47	22.6	1928
1929	3.81	2.30	2.46	5.27	49.6	86.0	22.4	7.38	4.08	6.22	2.96	2.26	14.3	1929
1930	2.18	3.83	3.87	28.7	86.0	86.3	23.4	7.37	4.86	4.84	3.96	2.80	18.2	1930
1931	1.86	2.27	2.36	8.32	47.6	---	---	---	---	---	---	---	---	1931
1932	---	---	---	---	---	---	---	---	8.10	---	---	---	---	1932
1933	---	---	---	---	---	102	42.8	11.6	---	---	---	---	---	1933
1948	---	---	---	8.30	89.0	111	23.0	13.0	4.33	2.86	2.38	1.88	---	1948
1949	2.22	2.23	3.13	8.97	86.3	80.8	18.2	7.82	8.81	8.76	8.84	8.81	18.3	1949
1950	6.13	3.87	3.87	7.04	38.0	88.0	89.0	13.8	8.87	12.8	18.4	12.2	23.2	1950
1951	8.08	8.82	4.81	14.2	73.4	72.7	84.0	17.0	23.8	26.7	7.88	8.18	27.4	1951
1952	4.83	3.32	2.78	18.6	83.8	44.7	24.0	12.8	8.32	2.81	1.86	1.28	14.7	1952
1953	4.80	4.37	3.41	8.37	81.1	111	80.8	12.2	8.88	3.00	4.18	3.86	22.0	1953
1954	2.88	4.34	3.88	7.23	82.6	78.3	88.8	17.6	18.0	18.6	10.8	8.41	24.3	1954
1955	3.71	2.57	2.43	4.17	28.3	80.1	48.8	11.1	4.88	12.1	11.4	4.83	18.4	1955
1956	3.75	2.44	3.18	12.4	81.0	77.1	37.4	11.1	8.41	8.88	8.38	4.08	19.2	1956
1957	2.82	2.67	3.34	4.34	84.3	83.2	17.4	8.80	3.88	8.88	8.03	3.88	17.3	1957
1958	3.24	2.78	4.82	8.47	71.3	88.3	18.8	7.80	4.87	7.08	7.08	8.37	18.8	1958
1959	7.08	4.82	3.28	13.1	41.8	83.7	40.8	10.8	18.4	20.7	13.4	8.03	22.8	1959
1960	4.44	3.27	4.21	15.8	33.4	70.7	30.8	8.88	4.81	3.28	3.82	3.86	16.8	1960
1961	2.74	3.81	3.86	7.78	82.1	88.6	20.0	7.22	8.03	12.8	8.74	3.88	18.0	1961
1962	3.38	4.38	3.48	18.1	40.2	80.1	21.1	8.83	8.87	8.88	8.18	7.88	18.7	1962
1963	4.28	8.86	4.12	7.74	38.8	80.4	38.8	8.18	4.44	3.30	3.88	3.83	18.8	1963
1964	2.86	2.37	2.06	4.83	46.6	141	40.2	9.37	7.34	12.0	8.04	4.13	23.1	1964
1965	3.84	3.83	3.88	8.80	44.8	97.2	42.3	13.1	10.2	11.7	7.01	8.18	21.0	1965
1966	4.38	2.80	3.22	14.7	48.8	74.8	30.4	10.8	7.18	8.88	7.88	8.74	18.1	1966
1967	4.38	4.41	3.24	4.87	47.8	100	47.8	11.1	4.88	3.48	8.23	4.83	20.2	1967
1968	3.84	4.87	8.62	8.42	41.1	72.0	29.8	12.0	17.4	18.4	8.86	8.42	19.0	1968
1969	4.24	3.10	2.93	17.8	82.8	71.3	31.2	7.10	3.74	8.44	8.19	3.08	17.4	1969
1970	2.73	2.44	2.88	3.48	84.0	104	24.0	7.19	4.88	8.01	3.88	4.18	18.2	1970
1971	3.24	8.02	3.44	8.87	88.1	78.8	46.1	14.8	8.08	8.82	8.03	3.78	21.1	1971
1972	3.88	3.23	10.3	12.8	88.0	100	48.7	21.2	12.7	10.2	8.88	3.26	24.2	1972
1973	4.34	3.07	2.80	8.70	42.2	84.1	18.0	8.82	4.81	4.02	11.8	8.38	13.8	1973
1974	8.41	8.82	4.28	11.3	42.8	113	83.2	18.8	7.04	3.71	3.38	3.28	22.7	1974
1975	2.48	2.40	2.28	2.88	38.1	137	83.8	14.8	8.84	8.24	10.8	13.3	28.8	1975
1976	8.84	4.37	3.81	12.2	80.8	80.2	41.8	20.2	8.00	3.80	2.77	2.12	18.0	1976
1977	2.08	1.81	1.86	8.28	31.7	28.2	8.10	8.22	10.8	8.88	4.18	4.76	8.83	1977
1978	3.04	2.24	2.43	10.3	47.8	70.4	37.8	12.1	14.2	8.81	8.10	2.88	17.8	1978
1979	2.88	2.83	3.21	8.81	48.2	88.7	18.8	8.43	4.18	2.18	2.08	2.84	13.0	1979
1980	2.82	2.88	2.87	17.0	71.1	86.0	13.8	7.73	8.43	8.88	7.81	7.41	17.1	1980
1981	10.1	4.73	8.17	11.7	73.8	88.8	33.7	10.2	4.28	3.13	3.02	2.86	18.8	1981
1982	2.48	3.88	3.73	4.38	36.8	84.7	40.1	11.8	8.30	8.38	4.38	3.80	17.1	1982
1983	3.46	2.88	3.87	7.47	36.0	82.0	27.8	8.88	4.18	2.81	7.72	3.83	13.8	1983
1984	7.48	4.27	2.83	8.87	28.2	88.8	24.3	7.88	8.18	7.08	8.84	3.31	13.8	1984
MEAN	4.18	3.88	3.83	10.7	80.3	78.8	35.0	11.8	8.84	8.88	7.08	4.81	18.8	MEAN

LOCATION - LAT 49 08 80 N DRAINAGE AREA, 814 km² INTERNATIONAL GAUGING STATION
LONG 113 80 20 W NATURAL FLOW

WATERTON RIVER NEAR WATERTON PARK - STATION NO. 05AD003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	880 E ON JUN 6 *	---	---	1908
1909	---	182 ON JUN 3	---	---	1909
1910	---	83.0 ON JUN 1	---	---	1910
1911	---	118 ON JUN 15	---	---	1911
1912	---	71.9 ON MAY 18	2.04 ON MAR 8	521 000	1912
1913	---	147 ON MAY 29	2.46 B ON FEB 10	646 000	1913
1914	---	82.4 ON JUN 4	2.83 B ON DEC 20	617 000	1914
1915	---	80.8 ON JUN 8	2.10 ON JAN 13	525 000	1915
1916	---	208 ON JUN 19	1.19 B ON DEC 1	751 000	1916
1917	---	130 ON MAY 26	2.15 ON MAR 15	603 000	1917
1918	---	127 ON JUN 13	2.15 ON DEC 10	490 000	1918
1919	---	118 ON MAY 24	1.93 ON JAN 10	410 000	1919
1920	---	130 ON JUN 17	2.12 ON MAR 11	572 000	1920
1921	---	133 ON MAY 26	1.81 B ON JAN 12	575 000	1921
1922	---	144 ON JUN 5	2.04 B ON MAR 31	548 000	1922
1923	---	155 ON JUN 2	2.10 B ON FEB 16	579 000	1923
1924	---	121 ON JUN 14	3.37 ON JAN 8	577 000	1924
1925	---	114 ON MAY 23	3.96 ON DEC 31	522 000	1925
1926	---	50.1 ON OCT 19	3.00 ON MAR 11	404 000	1926
1927	---	155 ON JUN 10	2.63 B ON MAR 26	674 000	1927
1928	---	131 ON MAY 28	2.76 B ON DEC 31	715 000	1928
1929	---	116 ON MAY 25	2.12 B ON NOV 21	453 000	1929
1930	---	79.8 ON MAY 22	2.12 B ON JAN 9	508 000	1930
1931	---	68.0 ON MAY 19	1.73 B ON JAN 21	---	1931
1932	---	---	---	---	1932
1933	---	---	---	---	1933
1948	---	171 ON JUN 18	---	---	1948
1949	84.0 AT 20:00 MST ON MAY 17	83.4 ON MAY 17	1.73 ON FEB 9	483 000	1949
1950	148 AT 12:00 MST ON JUN 22	146 ON JUN 22	3.11 B ON MAR 30	732 000	1950
1951	123 AT 15:00 MST ON JUN 18	121 ON JUN 18	3.82 A ON MAR 24	683 000	1951
1952	73.1 AT 10:00 MST ON MAY 21	72.2 ON MAY 21	0.943A ON DEC 1	486 000	1952
1953	214 AT 21:00 MST ON JUN 4	200 ON JUN 4	1.10 B ON JAN 8	893 000	1953
1954	150 AT 12:00 MST ON MAY 21	150 ON MAY 21	1.81 B ON DEC 28	787 000	1954
1955	127 AT 06:00 MST ON JUN 25	126 ON JUN 25	0.678B ON MAR 27 *	560 000	1955
1956	138 AT 23:00 MST ON MAY 22	138 ON MAY 22	2.27 B ON FEB 14	606 000	1956
1957	113 AT 16:00 MST ON MAY 15	111 ON MAY 8	1.70 ON DEC 23	547 000	1957
1958	107 AT 08:00 MST ON MAY 25	106 ON MAY 25	1.93 ON JAN 12	534 000	1958
1959	141 AT 21:00 MST ON JUN 6	137 ON JUN 6	2.92 ON MAR 30	718 000	1959
1960	111 AT 20:00 MST ON JUN 4	108 ON JUN 4	2.63 ON OCT 17	494 000	1960
1961	150 AT 23:30 MST ON MAY 27	144 ON MAY 27	2.00 ON NOV 22	589 000	1961
1962	77.3 AT 17:00 MST ON JUN 14	75.8 ON JUN 15	1.67 ON JAN 23	495 000	1962
1963	131 AT 08:00 MST ON JUN 11	128 ON JUN 11	2.32 ON NOV 28	530 000	1963
1964	728 AT 04:00 MST ON JUN 8 *	643 ON JUN 8	1.83 B ON MAR 24	729 000	1964
1965	159 AT 21:30 MST ON JUN 19	155 ON JUN 19	2.70 ON JAN 1	653 000	1965
1966	115 AT 07:00 MST ON JUN 1	114 ON JUN 1	2.34 ON FEB 27	571 000	1966
1967	136 AT 08:30 MST ON MAY 24	133 ON MAY 24	2.82 ON MAR 15	636 000	1967
1968	99.1 AT 18:30 MST ON JUN 4	97.1 ON JUN 4	3.26 B ON JAN 7	600 000	1968
1969	118 AT 08:30 MST ON JUN 8	118 ON JUN 8	1.85 ON DEC 8	548 000	1969
1970	178 AT 08:00 MST ON JUN 14	176 ON JUN 14	2.31 ON MAR 21	674 000	1970
1971	121 AT 06:00 MST ON MAY 29	119 ON MAY 29	2.18 B ON JAN 11	688 000	1971
1972	189 AT 13:30 MST ON JUN 2	187 ON JUN 2	2.51 B ON DEC 6	785 000	1972
1973	102 AT 08:45 MST ON MAY 20	101 ON MAY 20	2.34 ON MAR 21	428 000	1973
1974	182 AT 14:40 MST ON JUN 18	181 ON JUN 18	2.08 B ON DEC 18	717 000	1974
1975	501 AT 11:55 MST ON JUN 20	487 ON JUN 20	1.57 ON APR 3	804 000	1975
1976	104 AT 04:40 MST ON MAY 12	101 ON MAY 12	1.78 ON DEC 23	589 000	1976
1977	51.3 AT 14:15 MST ON JUN 9	50.4 ON JUN 8	1.48 ON FEB 27	313 000	1977
1978	117 AT 00:10 MST ON JUN 10	113 ON JUN 8	1.82 ON MAR 5	585 000	1978
1979	111 AT 23:25 MST ON MAY 27	109 ON MAY 27	1.84 A ON NOV 19	411 000	1979
1980	155 AT 08:35 MST ON MAY 27	150 ON MAY 27	2.30 A ON FEB 15	541 000	1980
1981	157 AT 20:25 MST ON MAY 23	153 ON MAY 23	2.50 A ON DEC 1	588 000	1981
1982	114 AT 02:50 MST ON JUN 17	113 ON JUN 17	2.19 B ON JAN 22	541 000	1982
1983	95.0 AT 03:10 MST ON MAY 31	95.2 ON MAY 30	2.21 ON DEC 28	436 000	1983
1984	79.6 AT 05:00 MST ON JUN 1	77.9 ON JUN 1	2.52 ON MAR 4	429 000	1984
				566 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO. 05CC010

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	0.088	0.035	0.036	---	---	---	1976
1977	---	---	0.030	0.234	0.280	0.081	0.044	0.088	0.087	0.043	---	---	0.103	1977
1978	---	---	0.142	0.287	0.197	0.151	0.094	0.057	0.138	0.088	---	---	0.141	1978
1979	---	---	0.110	0.345	0.171	0.104	0.052	0.020	0.018	0.028	---	---	0.105	1979
1980	---	---	0	0.475	0.070	0.525	0.557	0.193	0.221	0.187	---	---	0.278	1980
1981	---	---	0.243	0.208	0.511	0.181	0.384	0.158	0.083	0.088	---	---	0.230	1981
1982	---	---	0.030	0.609	0.110	0.170	0.780	0.084	0.074	0.101	---	---	0.242	1982
1983	---	---	0.155	0.358	0.082	0.088	0.311	0.095	0.070	0.044	---	---	0.144	1983
1984	---	---	0.088	0.084	0.088	0.075	0.024	0.007	0.050	0.051	---	---	0.058	1984
MEAN	---	---	0.100	0.324	0.187	0.188	0.278	0.084	0.084	0.071	---	---	0.163	MEAN

LOCATION - LAT 52 34 13 N, LONG 114 36 58 W
DRAINAGE AREA, 53.8 km^2
NATURAL FLOW

WELCH CREEK TRIBUTARY NEAR LEEDALE - STATION NO. 05CC010

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	---	---	1976
1977	1.88 B AT 15:00 MST ON APR 5	1.53 B ON APR 5	0.010 ON JUL 4	2 190	1977
1978	1.14 B AT 14:30 MST ON MAR 28	0.9348 ON MAR 28	0.0048 ON MAR 1	2 990	1978
1979	1.37 AT 15:00 MST ON APR 23	1.25 ON APR 23	0 B ON MAR 1 *	2 230	1979
1980	6.32 AT 00:30 MST ON JUL 15 *	4.37 ON JUL 15	0 B ON MAR 1	5 890	1980
1981	3.70 AT 09:58 MST ON MAY 7	3.42 ON MAY 7	0.0058 ON MAR 1	4 880	1981
1982	5.15 AT 09:02 MST ON JUL 5	4.65 ON JUL 5 *	0 B ON MAR 1	5 120	1982
1983	1.48 AT 15:53 MST ON APR 2	1.39 ON APR 2	0.002 ON JUN 9	3 050	1983
1984	0.382 AT 09:50 MST ON OCT 4	0.2208 ON MAR 25	0 ON AUG 9	1 220	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		3 450	MEAN

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	---	0.885	0.045	0.031	0.025	---	---	---	1965
1966	---	---	---	0.185	0.090	0.106	0.739	0.085	0.045	0.072	---	---	---	1966
1967	---	---	5.81	1.12	1.38	0.282	0.011	0.004	0.010	0.013	---	---	1.10	1967
1968	---	---	0.154	0.095	0.043	0.042	0.019	0.022	0.082	0.138	---	---	0.074	1968
1969	---	---	0.458	7.41	0.444	0.138	0.127	0.013	0.027	0.042	---	---	1.07	1969
1970	---	---	1.31	0.539	0.110	0.537	0.140	0.008	0.022	0.058	---	---	0.340	1970
1971	---	---	2.40	10.0	0.215	0.188	0.027	0.005	0.011	0.022	---	---	1.59	1971
1972	---	---	4.05	0.477	0.068	0.038	0.022	0.008	0.008	0.022	---	---	0.591	1972
1973	---	---	3.50	0.353	0.050	0.033	0.004	0	0.001	0.008	---	---	0.498	1973
1974	---	---	1.78	3.49	0.839	0.083	0.009	0	0	0.010	---	---	0.788	1974
1975	---	---	0.013	2.83	0.517	0.085	0.021	0.001	0	0.004	---	---	0.428	1975
1976	---	---	3.01	0.851	0.031	0.005	0	0.001	0	0	---	---	0.488	1976
1977	---	---	0.052	0.019	0.006	0.001	0	0	0	0	---	---	0.010	1977
1978	---	---	0.175	0.433	0.077	0.035	0.001	0	0.002	0.005	---	---	0.090	1978
1979	---	---	2.39	0.282	0.110	0.004	0	0	0	0	---	---	0.348	1979
1980	---	---	0.085	3.98	0.180	0.225	0.005	0	0	0.003	---	---	0.546	1980
1981	---	---	0.131	0.041	0.107	0.038	0.028	0.018	0	0.009	---	---	0.047	1981
1982	---	---	0.207	0.281	0.037	0.014	0.009	0	0	0.003	---	---	0.085	1982
1983	---	---	0.140	0.097	0.021	0.001	0.001	0	0	0	---	---	0.032	1983
1984	---	0.001	0.028	0.014	0.005	0.005	0	0	0	0	---	---	0.005	1984
MEAN	---	0.001	1.43	1.70	0.228	0.098	0.103	0.010	0.012	0.022	---	---	0.448	MEAN

LOCATION - LAT 50 45 50 N DRAINAGE AREA, 775 km^2
LONG 113 14 00 W NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1977

WEST ARROWWOOD CREEK NEAR ARROWWOOD - STATION NO. 05BM014

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	---	---	---	---	1965
1966	---	---	---	---	1966
1967	71.9 AT 08:00 MST ON MAR 23	58.9 ON MAR 24	0.003 ON JUL 28	23 300	1967
1968	0.854 AT 17:20 MST ON SEP 23	0.391 ON SEP 24	0.011 ON JUL 8	1 570	1968
1969	---	37.1 ON APR 5	0 B ON MAR 1 *	22 500	1969
1970	---	4.30 B ON MAR 24	0.003 ON AUG 19	7 180	1970
1971	81.8 AT 08:00 MST ON APR 7 *	64.8 ON APR 7 *	0.001 ON AUG 20	33 800	1971
1972	---	42.8 B ON MAR 18	0 B ON MAR 1	12 600	1972
1973	11.4 B AT 23:30 MST ON MAR 21	8.80 B ON MAR 21	0 ON JUL 28	10 500	1973
1974	---	21.0 B ON APR 1	0 ON AUG 1	18 200	1974
1975	15.2 B AT 20:00 MST ON APR 13	13.1 B ON APR 15	0 B ON MAR 5	9 050	1975
1976	14.5 B AT 00:00 MST ON MAR 18	12.8 B ON MAR 18	0 B ON MAR 3	9 880	1976
1977	---	0.0858 ON MAR 5	0 ON JUN 12	207	1977
1978	3.86 AT 13:00 MST ON MAR 31	2.42 ON APR 1	0 B ON MAR 1	1 810	1978
1979	9.66 B AT 10:30 MST ON MAR 11	8.70 B ON MAR 11	0 B ON MAR 1	7 370	1979
1980	13.5 AT 18:00 MST ON APR 9	11.8 ON APR 9	0 B ON MAR 5	11 500	1980
1981	0.720 AT 00:50 MST ON JUN 1	0.278 ON JUN 1	0 ON AUG 28	891	1981
1982	1.05 AT 18:14 MST ON APR 12	0.836 ON APR 12	0 B ON MAR 1	1 380	1982
1983	---	0.3818 ON MAR 12	0 ON JUN 12	888	1983
1984	---	0.1488 ON MAR 20	0 B ON MAR 1	136	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		9 480	MEAN

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1921	---	---	---	---	---	9.31	7.88	5.87	2.89	1.70	1.28	---	---	1921
1922	---	---	---	---	---	15.6	2.14	0.679	0.327	0.132	0.145	---	---	1922
1923	---	---	---	---	5.88	5.89	3.47	12.1	1.38	0.521	0.409	---	---	1923
1924	---	---	---	---	0.340	3.88	1.21	3.83	13.8	10.8	8.22	---	---	1924
1925	---	---	---	---	---	8.47	7.14	2.83	4.85	4.83	3.58	---	---	1925
1926	---	---	---	---	17.1	12.1	31.1	3.25	2.80	18.8	7.24	---	---	1926
1927	---	---	---	---	7.55	14.4	30.8	28.5	3.85	3.08	3.50	---	---	1927
1928	---	---	---	0.381	12.1	15.8	6.89	4.50	2.29	2.23	2.75	---	---	1928
1929	---	---	---	---	20.8	15.8	4.55	12.4	7.12	7.30	3.75	---	---	1929
1930	---	---	---	---	5.83	16.7	47.8	5.88	1.24	1.01	0.808	---	---	1930
1959	---	---	---	0.188	3.02	3.77	2.07	0.875	1.08	0.741	0.808	---	---	1959
1960	---	---	---	0.388	5.30	12.4	11.8	2.08	0.238	0.103	0.032	---	---	1960
1961	---	---	---	0.362	1.88	8.28	1.22	14.4	0.814	0.093	0.140	---	---	1961
1962	---	---	---	0	30.5	28.8	9.29	1.70	1.88	1.27	0.388	---	---	1962
1963	---	---	---	0.100	28.5	18.1	2.18	0.394	0.381	0.384	0.322	---	---	1963
1964	---	---	---	0.052	12.0	28.2	3.30	17.5	29.8	5.88	3.24	---	---	1964
1965	---	---	---	0.193	40.5	30.4	20.9	10.5	5.70	3.75	1.86	---	---	1965
1966	---	---	---	0.188	21.7	17.5	3.33	1.30	2.77	2.43	0.808	---	---	1966
1967	---	---	---	0.088	3.23	23.5	4.23	0.483	0.151	0.018	0.018	---	---	1967
1968	---	---	---	0.828	1.44	4.87	8.38	3.38	1.31	0.488	0.280	---	---	1968
1969	---	---	---	0.031	13.3	5.18	1.00	0.123	0.071	3.81	1.81	---	---	1969
1970	---	---	0.123	18.8	18.2	7.61R	5.02 R	2.85	0.852	0.902	0.807	0.155	---	1970
1971	0.107	0.074	0.033	26.0	7.38	23.3	28.2	1.88	0.832	0.887	0.241	0.200	7.47	1971
1972	0.117	0.108	0.337	8.02	14.2	7.30	4.17	2.85	1.18	1.14	0.788	0.288	3.44	1972
1973	0.226	0.181	0.208	18.8	18.1	18.8	2.81	5.48	1.84	2.88	1.58	0.438	8.02	1973
1974	0.232	0.232	0.214	40.9	33.9	2.83	7.08	0.780	0.834	0.818	0.487	0.278	7.42	1974
1975	0.178	0.081	0.088	5.08	8.08	12.8	8.75	1.80	5.42	1.15	1.04	0.448	3.79	1975
1976	0.200	0.184	0.172	28.5	8.40	24.8	13.5	34.8	9.48	2.51	1.08	0.378	10.4	1976
1977	0.308	0.417	0.480	24.1	33.3	17.5	14.8	1.73	2.13	0.880	0.533	0.171	8.08	1977
1978	0.078	0.077	0.388	8.48	12.8	22.3	2.10	0.702	10.7	2.88	1.47	0.711	5.28	1978
1979	0.237	0.081	0.238	10.9	38.0	28.8	27.8	1.81	0.374	0.258	0.218	0.078	8.87	1979
1980	0.088	0.030	0.085	7.41	7.92	10.4	8.81	2.32	4.20	1.88	0.710	0.117	3.80	1980
1981	0.180	0.151	0.803	10.2	8.74	5.07	1.31	0.215	0.080	0.102	0.087	0.027	2.23	1981
1982	0.001	0	0	1.03	11.2	1.18	5.82	21.3	1.74	0.874	0.140	0.083	3.85	1982
1983	0.008	0.008	0.048	1.38	2.07	23.7	34.8	3.87	1.88	0.732	0.848	0.171	5.78	1983
1984	0.020	0.012	0.348	3.83	17.2	18.1	3.88	0.758	2.83	1.28	1.18	0.208	3.84	1984
MEAN	0.137	0.118	0.228	13.5	14.8	12.1 R	8.38 R	4.82	3.18	1.88	0.728	0.248	5.70	MEAN

LOCATION - LAT 55 26 50 N DRAINAGE AREA, 1 180 km²
LONG 118 29 30 W NATURAL FLOW

R - REVISED SINCE JAN 1980

WEST PRAIRIE RIVER NEAR HIGH PRAIRIE - STATION NO. 07BF002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1921	---	28.3 ON MAY 30	---	---	1921
1922	---	47.8 ON MAY 10	---	---	1922
1923	---	41.1 ON JUL 7	0 B ON APR 1 *	---	1923
1924	---	48.4 ON AUG 30	0 B ON APR 1	---	1924
1925	---	---	---	---	1925
1926	---	129 ON JUN 12	---	---	1926
1927	116 AT 18:00 MST ON JUN 25	116 ON JUN 25	---	---	1927
1928	---	88.8 B ON APR 25	0 B ON MAR 1	---	1928
1929	---	112 ON JUL 22	---	---	1929
1930	---	110 ON JUN 2	---	---	1930
1959	8.78 AT 08:15 MST ON MAY 14	8.81 ON MAY 14	0 B ON MAR 1	---	1959
1960	48.7 AT 08:00 MST ON MAY 15	43.3 ON MAY 15	0 B ON MAR 1	---	1960
1961	83.8 AT 10:00 MST ON JUL 3	81.5 ON JUL 3	0 B ON MAR 1	---	1961
1962	---	89.4 ON APR 28	0 B ON MAR 1	---	1962
1963	---	70.6 ON APR 28	---	---	1963
1964	---	113 ON JUL 18	---	---	1964
1965	---	178 ON JUN 29	---	---	1965
1966	---	83.0 B ON APR 7	---	---	1966
1967	---	86.3 ON MAY 8	---	---	1967
1968	---	43.8 ON JUN 14	---	---	1968
1969	---	37.4 B ON APR 15	---	---	1969
1970	---	82.8 ON APR 28	---	---	1970
1971	---	183 ON JUL 6	0 B ON MAR 3	236 000	1971
1972	80.1 AT 00:30 MST ON APR 30	81.4 ON APR 30	0.0888 ON JAN 14	108 000	1972
1973	127 AT 21:00 MST ON JUN 17	95.4 ON JUN 17	0.1138 ON FEB 17	189 000	1973
1974	183 AT 13:00 MST ON APR 27	181 ON APR 27	0.1708 ON JAN 15	234 000	1974
1975	143 AT 18:30 MST ON JUN 28	132 ON JUN 29	0.0828 ON FEB 13	120 000	1975
1976	---	181 ON JUN 28	0.1138 ON JAN 7	328 000	1976
1977	144 AT 03:30 MST ON MAY 13	121 ON MAY 13	0.1138 ON DEC 31	284 000	1977
1978	142 AT 23:30 MST ON JUN 15	120 ON JUN 16	0.0878 ON FEB 2	187 000	1978
1979	184 AT 21:30 MST ON JUN 15	178 ON JUN 15	0.034 ON OCT 17	280 000	1979
1980	87.8 AT 07:00 MST ON MAY 28	83.8 ON MAY 28	0 B ON FEB 21	111 000	1980
1981	28.1 AT 20:00 MST ON APR 25	28.4 ON APR 25	0.0088 ON DEC 31	70 200	1981
1982	187 AT 10:30 MST ON AUG 4	184 E ON AUG 4	0 B ON JAN 11	115 000	1982
1983	335 AT 03:00 MST ON JUL 26 *	228 ON JUL 26 *	0 B ON JAN 11	182 000	1983
1984	108 AT 10:30 MST ON JUN 8	100 ON JUN 8	0 B ON JAN 15	122 000	1984
				180 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WEST SAUKI DRAIN NEAR ROLLING HILLS - STATION NO. 05BN015

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1985	---	---	---	---	---	---	---	0.353	0.136	0.277	0.005	---	---	1985
1986	---	---	---	---	0.141	0.427	0.556	---	---	---	---	---	---	1986
1987	---	---	---	---	0.047	0.346	0.407	0.536	0.159	0.288	---	---	---	1987
1988	---	---	---	---	0.298	0.682	---	---	---	---	---	---	---	1988
MEAN	---	---	---	---	0.162	0.485	0.483	0.445	0.144	0.272	0.005	---	---	MEAN

LOCATION - LAT 50 13 21 N
LONG 112 00 32 W REGULATED

WEST SAUKI DRAIN NEAR ROLLING HILLS - STATION NO. 05BN015

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	---	---	0 ON NOV 10 *	---	1985
1986	---	---	0 ON NOV 5	---	1986
1987	---	1.38 ON AUG 8 *	0E ON MAY 1	---	1987
1988	---	---	---	---	1988
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		---	MEAN

E - ESTIMATED

WEST STREETER CREEK NEAR HANTON - STATION NO. 05AD022

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	0	0	0	0	0.001	0	0	0	0	0	0	0	0	1984
1985	0	0	0	0	0	0.001	0.001	0	0	0	0	0	0	1985
1986	0	0	0	0	0	0.008	0	0	0	0	0	0	0.001	1986
1987	0	0	0	0	0.010	0.010	0	0	0	0	0	0	0.002	1987
1988	0	0	0	0	0	0	0	0	0	0	0	0	0	1988
1989	0	0	0	0.008	0.004	0.011	0.013	0	0	0	0	0	0.003	1989
1990	---	---	---	---	---	---	---	---	---	---	---	---	---	1990
MEAN	0	0	0	0.001	0.003	0.005	0.002	0	0	0	0	0	0.001	MEAN

LOCATION - LAT 50 06 20 N DRAINAGE AREA, 1.37 km^2
LONG 114 03 58 W NATURAL FLOW

WEST STREETER CREEK NEAR HANTON - STATION NO. 05AD022

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1984	---	0.0008E ON MAY 1	0 ON JAN 1 *	2.88	1984
1985	0.015 AT 19:00 MST ON APR 1	0.009 ON JUN 18	0 ON JAN 1	5.19	1985
1986	---	0.020E ON JUN 5	0 ON JAN 1	18.9	1986
1987	0.045 AT 02:00 MST ON MAY 22	0.040 ON MAY 21	0 ON JAN 1	53.8	1987
1988	0 AT 09:00 MST ON APR 13	0 ON JAN 1	0 ON JAN 1	0	1988
1989	0.074 AT 14:00 MST ON JUN 28 *	0.056 ON JUN 28 *	0 ON JAN 1	48.3	1989
1990	---	---	0 ON JAN 8	---	1990
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		28.0	MEAN

E - ESTIMATED

WEST STREETER SPRING NO. 1 NEAR HANTON - STATION NO. 05AD035

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1984	---	---	---	---	---	---	---	---	0	0	0	0	---	1984
1985	0	0	0	0	0.001	0.001	0.003	0	0	0	0	0	0	1985
1986	0	0	0	0	0.001	0.004	0.001	0	0	0	0	0	0.001	1986
1987	0	0	0	0	0.004	0.005	0.001	0	0	0	0	0	0.001	1987
1988	0	0	0	0	0	0.001	0	0	0	0.001	0.001	0	0	1988
1989	0	0	0	0.004	0.003	0.002	0.005	0.001	0	0	0	0	0.001	1989
1990	0	0	0	0	0.001	0.002	0.001	0.001	0	0	0	0	0	1990
1991	0	0	0	0	0.001	0.001	0.001	0	0	0	0	0	0	1991
1992	0	0	0	0.001	0.005	0.003	0.001	0	0	0	0	0	0.001	1992
1993	0	0	0	0.001	0.003	0.002	0.001	0	0	0	0	0	0.001	1993
1994	0	0	0	0	0.004	0.003	0.001	0	0	0	0	0	0.001	1994
1995	0	0	0	0	0.005	0.004	0.002	0.001	0	0	0	0	0.001	1995
1996	0	0	0	0.001	0.002	0.001	0	0.001	0.001	0	0	0	0.001	1996
1997	0	0	0	0	0	0	0	0	0	0	0	0	0	1997
1998	0	0	0	0	0.005	0.005	0.001	0.001	0	0	0	0	0.001	1998
1999	0	0	0	0	0.004	0.001	0	0	0	0	0	0	0.001	1999
2000	0	0	0	0	0	0	0	0	0	0	0	0	0	2000
2001	0	0	0	0	0.003	0.004	0.001	0.001	0	0	0	0	0.001	2001
2002	0	0	0	0	0	0.001	0.002	0	0	0	0	0	0	2002
2003	0	0	0	0	0	0.001	0	0	0	0	---	---	---	2003
MEAN	0	0	0	0	0.002	0.002	0.001	0	0	0	0	0	0.001	MEAN

LOCATION - LAT 50 06 20 N
LONG 114 04 04 W NATURAL FLOW

WEST STREETER SPRING NO. 1 NEAR NANTON - STATION NO. 05AB025

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1964	---	---	0 ON AUG 26 *	---	1964
1965	---	0.008E ON JUL 2	0E ON JAN 1	13.7	1965
1966	---	0.008 ON JUN 8	0E ON JAN 1	16.1	1966
1967	---	0.011E ON MAY 31	0E ON JAN 1	31.2	1967
1968	---	0.002 ON OCT 22	0E ON JAN 1	10.6	1968
1969	---	0.014E ON JUN 30 *	0E ON JAN 1	41.9	1969
1970	---	0.003 ON JUN 16	0 ON JAN 1	13.6	1970
1971	0.002 AT 09:30 MST ON JUN 17	0.002 ON JUN 9	0 ON JAN 1	8.99	1971
1972	0.008 AT 03:00 MST ON MAY 28	0.008 ON MAY 28	0 ON JAN 1	23.8	1972
1973	0.004 AT 21:30 MST ON MAY 27	0.004 ON MAY 27	0E ON JAN 1	17.3	1973
1974	0.010 AT 00:00 MST ON MAY 26	0.010 ON MAY 26	0 ON JAN 1	21.0	1974
1975	0.008 AT 12:00 MST ON MAY 14	0.008 ON MAY 14	0 ON JAN 1	21.5	1975
1976	0.002 AT 17:30 MST ON MAY 19	0.002 ON MAY 9	0 ON JAN 1	16.1	1976
1977	---	0 ON JAN 1	0 ON JAN 1	0	1977
1978	0.012 AT 18:00 MST ON JUN 2 *	0.012 ON JUN 1	0 ON JAN 1	32.8	1978
1979	---	0.007E ON MAY 17	0 ON JAN 1	17.8	1979
1980	0.001 AT 14:00 MST ON APR 19	0.001 ON APR 17	0 ON JAN 1	1.03	1980
1981	0.010 AT 08:15 MST ON MAY 23	0.009 ON MAY 20	0 ON JAN 1	24.1	1981
1982	0.002 AT 08:54 MST ON JUL 12	0.002 ON JUL 2	0 ON JAN 1	7.52	1982
1983	0.001 AT 03:20 MST ON JUN 13	0.001 ON MAY 10	0 ON JAN 1	---	1983
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		18.4	MEAN

E - ESTIMATED

WESTERN IRRIGATION DISTRICT CANAL "A" NEAR HEADGATE - STATION NO. 05BM010

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1978	0	0	0	0	2.78	4.30	7.09	7.84	6.72	0.801	0	0	2.44	1978
1979	0	0	0	0	1.77	8.10	12.0	8.42	7.28	0.288	0	0	3.34	1979
MEAN	0	0	0	0	2.27	5.70	9.55	8.13	7.00	0.444	0	0	2.89	MEAN

LOCATION - LAT 51 00 34 N
LONG 113 47 33 W REGULATED SINCE 1906

WESTERN IRRIGATION DISTRICT CANAL "A" NEAR HEADGATE - STATION NO. 05BM010

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1978	---	8.78 ON JUL 30	0 ON JAN 1 *	77 000	1978
1979	---	12.0 ON JUL 29 *	0 ON JAN 1	105 000	1979
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		91 000	MEAN

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BM017

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO NOV IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1980	---	---	---	0.050	4.66	6.01	7.82	5.93	4.88	0.202	0.351	---	3.77	1980
1981	---	---	---	0.320	3.01	4.30	5.33	5.18	5.59	1.30	0.070	---	3.14	1981
1982	---	---	---	---	2.81	7.56	6.48	6.22	4.78	1.28	---	---	---	1982
1983	---	---	---	0.085	3.24	8.21	7.29	7.56	5.98	0.781	0.154	0.038	4.18	1983
1984	---	---	---	0.586	4.82	8.98	10.9	9.70	8.60	0.807	0.178	0.011	5.04	1984
MEAN	---	---	---	0.258	3.65	6.81	7.55	7.31	5.59	0.818	0.186	0.020	4.03	MEAN

LOCATION - LAT 51 03 41 N
LONG 113 49 02 W REGULATED

WESTERN IRRIGATION DISTRICT CANAL "B" NEAR HEADGATE - STATION NO. 05BM017

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO NOV FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1980	---	10.1 ON JUL 15	0 ON APR 1 *	79 800	1980
1981	---	6.42 ON JUL 2	0 ON APR 1	66 400	1981
1982	---	---	---	---	1982
1983	---	9.77 ON JUN 17	0 ON APR 28	87 800	1983
1984	---	12.9 ON JUL 21 *	0.040B ON NOV 30	105 000	1984
		B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD		84 800	MEAN

WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR APR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1908	---	---	---	0	1.09	1.63	5.21	5.65	1.75	3.23	---	---	2.84	1908
1909	---	---	---	0	3.45	3.45	4.43	5.23	5.45	1.33	---	---	3.78	1909
1910	---	---	---	0.723	5.22	5.46	15.5	10.4	5.25	2.02	---	---	5.70	1910
1911	---	---	---	0.037	4.24	7.25	7.51	4.07	5.08	0	---	---	4.18	1911
1912	---	---	---	1.12	3.91	5.49	5.07	5.38	5.58	0	---	---	3.82	1912
1913	---	---	---	1.17	5.65	5.50	5.46	3.47	5.02	0.020	---	---	4.47	1913
1914	---	---	---	1.83	5.26	13.0	7.88	10.2	5.67	0	---	---	6.65	1914
1915	---	---	---	0	5.75	7.06	5.24	4.51	4.02	0	---	---	4.63	1915
1916	---	---	---	1.62	5.07	1.98	4.49	5.49	4.65	0	---	---	3.31	1916
1917	---	---	---	2.16	3.20	3.65	7.38	11.4	5.47	0	---	---	5.22	1917
1918	---	---	---	1.21	4.81	14.9	23.2	15.6	10.7	3.82	---	---	10.7	1918
1919	---	---	---	1.40	2.78	15.2	30.3	10.7	7.34	0	---	---	9.71	1919
1920	---	---	---	0	1.01	5.59	5.57	11.9	12.6	0.074	---	---	6.24	1920
1921	---	---	---	1.40	6.48	26.6	30.3	12.6	13.5	0.084	---	---	12.6	1921
1922	---	---	---	0	7.88	34.3	28.2	15.9	13.6	2.01	---	---	15.1	1922
1923	---	---	---	0.005	5.36	6.46	7.82	7.39	5.70	0	---	---	5.37	1923
1924	---	---	---	0.091	5.63	13.5	18.1	10.2	12.0	3.64	---	---	9.76	1924
1925	---	---	---	0.711	5.71	7.76	5.48	10.3	5.80	1.20	---	---	6.73	1925
1926	---	---	---	0.187	10.5	14.5	17.6	9.65	4.71	0	---	---	8.36	1926
1927	---	---	---	0	0.841	5.76	5.15	5.72	5.30	0.064	---	---	3.39	1927
1928	---	---	---	0	5.61	5.61	4.88	5.66	5.61	0	---	---	5.39	1928
1929	---	---	---	0.881	7.24	13.3	30.0	15.7	14.8	1.83	---	---	12.1	1929
1930	---	---	---	0	5.80	30.3	24.8	15.3	16.5	5.11	---	---	13.8	1930
1931	---	---	---	2.01	16.5	30.2	11.2	15.2	11.7	0	---	---	11.6	1931
1932	---	---	---	0	2.88	7.71	13.7	14.5	10.0	0	---	---	8.06	1932
1933	---	---	---	0	2.35	22.8	28.8	17.6	13.8	2.26	---	---	12.3	1933
1934	---	---	---	0.808	17.1	15.4	19.8	18.8	16.9	3.82	---	---	13.3	1934
1935	---	---	---	0	5.77	13.7	15.2	13.5	12.2	0	---	---	8.77	1935
1936	---	---	---	0	4.30	13.4	23.1	17.5	22.9	0.484	---	---	13.0	1936
1937	---	---	---	0	7.81	22.6	31.0	16.5	17.6	2.56	---	---	14.4	1937
1938	---	---	---	0	4.73	20.1	24.1	14.6	16.7	0	---	---	11.5	1938
1939	---	---	---	0.200	14.7	12.3	13.8	17.9	14.3	0	---	---	10.4	1939
1940	---	---	---	0	6.08	15.5	20.7	13.5	8.21	0	---	---	9.21	1940
1941	---	---	---	3.82	8.80	14.8	23.4	12.5	9.03	0	---	---	9.83	1941
1942	---	---	---	1.08	10.5	13.4	8.80	10.3	8.97	0	---	---	7.81	1942
1943	---	---	---	1.71	6.82	16.5	15.2	14.4	12.6	3.88	---	---	9.07	1943
1944	---	---	---	1.38	12.5	13.6	16.5	11.8	13.1	1.19	---	---	10.0	1944
1945	---	---	---	0.978	7.09	11.2	12.2	13.7	12.0	1.80	---	---	8.30	1945
1946	---	---	---	1.14	10.7	15.3	12.3	14.0	11.4	0.378	---	---	8.30	1946
1947	---	---	---	0	8.32	13.9	17.8	12.7	8.82	1.78	---	---	8.20	1947
1948	---	---	---	0	8.058	4.77	15.4	12.3	8.93	1.31	---	---	8.28	1948
1949	---	---	---	2.24	13.5	22.0	17.0	13.4	14.5	4.10	---	---	12.4	1949
1950	---	---	---	0	5.88	22.3	13.6	7.88	8.38	1.88	---	---	8.52	1950
1951	---	---	---	0	1.78	7.17	5.83	8.82	5.70	0.283	---	---	4.06	1951
1952	---	---	---	0	8.84	7.81	5.87	8.55	7.78	1.82	---	---	6.25	1952
1953	---	---	---	0	3.22	3.82	4.78	7.85	7.84	1.85	---	---	4.10	1953
1954	---	---	---	0.026	3.88	7.58	13.1	8.18	5.00	0.037	---	---	5.42	1954
1955	---	---	---	0.138	1.88	8.89	8.80	5.85	8.38	0.878	---	---	5.58	1955
1956	---	---	---	0	3.38	13.0	8.29	8.38	5.88	0.482	---	---	5.78	1956
1957	---	---	---	0.001	7.88	13.4	10.6	8.01	7.53	1.10	---	---	7.08	1957
1958	---	---	---	0.007	11.0	11.4	9.38	8.52	8.20	0.589	---	---	7.30	1958
1959	---	---	---	2.22	7.38	12.3	8.78	8.84	8.72	1.33	---	---	7.22	1959
1960	---	---	---	1.27	3.77	12.6	11.0	8.42	8.87	0.187	---	---	6.78	1960
1961	---	---	---	1.68	8.18	17.1	15.6	10.7	11.7	0.287	---	---	8.38	1961
1962	---	---	---	1.38	9.87	15.4	15.4	13.3	11.8	2.93	---	---	10.2	1962
1963	---	---	---	1.32	12.4	18.7	8.40	11.3	11.6	4.25	0.012	---	8.46	1963
1964	---	---	---	0.256	7.82	15.5	12.3	14.5	12.1	3.12	---	---	8.38	1964
1965	---	---	---	0.071	5.08	11.3	8.12	8.38	8.08	0.884	---	---	5.84	1965
1966	---	---	---	0	6.85	16.1	12.3	7.81	7.81	1.75	---	---	6.80	1966
1967	---	---	---	0.230	2.30	4.88	12.3	14.5	11.3	2.40	---	---	6.83	1967
1968	---	---	---	0.887	11.5	11.4	9.88	9.04	8.11	0.793	---	---	7.42	1968
1969	---	---	---	0	5.45	15.3	7.81	8.71	8.38	0.167	---	---	8.35	1969
1970	---	---	---	0.006	5.83	11.8	8.38	10.4	11.2	1.76	---	---	7.08	1970
1971	---	---	---	0	8.38	8.82	11.5	12.2	8.78	0.606	0.020	---	7.18	1971
1972	---	---	---	0.648	8.62	13.8	8.88	10.3	8.33	0.088	---	---	7.41	1972
1973	---	---	---	0.127	8.73	13.2	11.3	11.3	8.82	0.072	---	---	7.45	1973
1974	---	---	---	0.331	3.22	8.78	12.3	12.8	8.37	0.108	---	---	6.83	1974
1975	---	---	---	0.022	5.18	11.4	13.2	12.7	10.8	0.217	---	---	7.84	1975
1976	---	---	---	2.87	10.8	15.3	14.5	13.2	14.7	0.471	---	---	10.2	1976
1977	---	---	---	1.38	12.6	15.5	14.3	11.8	8.43	0.267	---	---	8.13	1977
1978	---	---	---	0.042	8.32	7.78	13.5	12.8	7.42	0.048	0	---	6.88	1978
1979	---	---	---	0	4.48	16.1	16.3	14.7	10.8	0.238	0	---	8.23	1979
1980	---	---	---	0.033	10.8	13.4	15.7	12.5	10.3	0.537	0.033	---	8.10	1980
1981	---	---	---	2.13	7.88	10.4	10.7	8.32	8.08	0.408	0.025	---	7.22	1981
1982	---	---	---	0.033	8.02	10.7	13.1	15.8	8.48	0.827	0.010	---	8.88	1982
1983	---	---	---	1.78	7.78	10.3	13.8	15.1	11.7	0.188	---	---	8.80	1983
1984	---	---	---	2.38	10.8	13.8	21.3	16.1	8.58	0.187	0.013	---	10.8	1984
MEAN	---	---	---	0.872	8.87	12.4	13.9	11.8	8.88	1.08	0.015	---	8.88	MEAN

LOCATION - LAT 51 01 00 N
LONG 113 50 30 W REGULATED SINCE 1908

500 WESTERN IRRIGATION DISTRICT CANAL NEAR CHESTERMERE LAKE - STATION NO. 05BM003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR APR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1908	---	11.7 ON JUL 3	0 ON APR 1 *	54 300	1908
1909	---	13.3 ON SEP 5	0 ON APR 1	69 800	1909
1910	---	18.5 ON JUL 18	0 ON APR 1	124 000	1910
1911	---	13.2 ON JUN 24	0 ON APR 1	77 400	1911
1912	---	10.8 ON JUN 26	0 ON APR 1	72 500	1912
1913	---	12.6 ON SEP 13	0 ON APR 1	62 700	1913
1914	---	23.5 ON JUN 8	0 ON APR 1	123 000	1914
1915	---	23.8 ON JUL 6	0 ON APR 1	85 500	1915
1916	---	10.0 ON AUG 24	0 ON APR 1	61 300	1916
1917	---	15.6 ON JUL 24	0 ON APR 1	94 500	1917
1918	---	31.4 ON JUN 22	0 ON APR 1	197 000	1918
1919	---	41.3 ON JUL 11	0 ON APR 1	179 000	1919
1920	---	15.8 ON JUL 4	0 ON APR 1	116 000	1920
1921	---	45.0 ON JUL 1	0 ON APR 1	238 000	1921
1922	---	42.8 ON JUN 28	0 ON APR 1	280 000	1922
1923	---	25.4 ON JUL 27	0 E ON APR 1	89 400	1923
1924	---	30.8 ON JUL 17	0 ON APR 1	130 000	1924
1925	---	17.0 ON OCT 21	0 ON APR 1	124 000	1925
1926	---	29.4 ON JUN 6	0 ON APR 1	164 000	1926
1927	---	20.9 ON SEP 23	0 ON APR 1	82 700	1927
1928	---	22.3 ON JUL 19	0 ON APR 1	99 600	1928
1929	---	43.0 ON JUL 6	0 ON APR 1	224 000	1929
1930	---	45.3 ON JUL 16 *	0 ON APR 1	256 000	1930
1931	---	41.9 ON JUN 2	0 ON APR 1	215 000	1931
1932	---	31.2 ON AUG 1	0 ON APR 1	129 000	1932
1933	---	36.6 ON JUN 23	0 ON APR 1	227 000	1933
1934	---	31.1 ON JUN 2	0 ON APR 1	248 000	1934
1935	---	23.7 ON JUL 17	0 E ON APR 1	182 000	1935
1936	---	35.1 ON JUL 10	0 ON APR 1	240 000	1936
1937	---	43.8 ON JUN 28	0 ON APR 1	287 000	1937
1938	---	32.8 ON JUL 1	0 ON APR 1	212 000	1938
1939	---	29.2 ON AUG 2	0 E ON APR 1	183 000	1939
1940	---	25.4 ON JUN 28	0 ON APR 1	170 000	1940
1941	---	27.9 ON APR 8	0 ON APR 1	184 000	1941
1942	---	19.1 ON APR 25	0 ON APR 1	144 000	1942
1943	---	19.0 ON JUL 11	0 ON APR 1	188 000	1943
1944	---	19.3 ON MAY 14	0 ON APR 1	185 000	1944
1945	---	21.4 ON OCT 3	0 ON APR 1	154 000	1945
1946	---	18.8 ON MAY 31	0 ON APR 1	172 000	1946
1947	---	25.1 ON JUL 17	0 ON APR 1	170 000	1947
1948	---	18.1 ON JUL 10	0 ON APR 1	118 000	1948
1949	---	27.9 ON JUN 26	0 ON APR 1	230 000	1949
1950	---	28.4 ON JUN 22	0 ON APR 1	197 000	1950
1951	9.43 ON JUN 4	0 ON APR 1	75 100	1951
1952	---	11.6 ON SEP 27	0 ON APR 1	87 000	1952
1953	---	10.2 ON AUG 14	0 ON APR 1	75 800	1953
1954	---	17.8 ON JUL 28	0 ON APR 1	100 000	1954
1955	---	16.1 ON JUN 29	0.085 ON MAY 8	103 000	1955
1956	---	16.9 ON JUN 15	0 ON APR 1	107 000	1956
1957	---	19.8 ON JUN 5	0 ON APR 1	131 000	1957
1958	---	16.5 ON MAY 28	0 E ON APR 1	135 000	1958
1959	---	16.4 E ON APR 24	0.113E ON APR 1	134 000	1959
1960	---	17.1 ON JUN 11	0 E ON APR 1	125 000	1960
1961	---	16.7 ON JUN 25	0.023 ON OCT 21	171 000	1961
1962	---	20.4 ON JUN 30	0.008 ON OCT 31	188 000	1962
1963	---	22.2 ON JUN 5	0 ON APR 1	175 000	1963
1964	---	25.5 ON JUN 6	0 ON APR 1	173 000	1964
1965	---	23.2 ON JUN 12	0 ON APR 1	106 000	1965
1966	---	14.4 E ON JUL 15	0 E ON APR 1	122 000	1966
1967	---	18.1 ON JUL 27	0.014E ON OCT 18	126 000	1967
1968	---	17.2 ON MAY 30	0 ON APR 1	137 000	1968
1969	---	23.8 ON JUN 8	0 ON APR 1	117 000	1969
1970	---	18.8 ON JUN 8	0 ON APR 1	131 000	1970
1971	---	19.2 ON MAY 5	0 ON APR 1	133 000	1971
1972	---	18.8 ON APR 30	0 ON APR 1	137 000	1972
1973	---	18.2 ON JUL 27	0.008 ON APR 22	136 000	1973
1974	---	18.7 ON JUN 23	0.001 ON OCT 31	122 000	1974
1975	---	17.6 ON AUG 9	0.001 ON APR 28	141 000	1975
1976	---	18.2 ON AUG 8	0 ON APR 1	169 000	1976
1977	---	17.3 ON JUL 5	0 ON APR 1	152 000	1977
1978	---	16.7 ON AUG 19	0 ON APR 1	127 000	1978
1979	---	21.0 ON JUL 2	0 ON APR 1	171 000	1979
1980	---	21.7 ON MAY 24	0 ON APR 1	155 000	1980
1981	---	18.4 ON MAY 2	0.123 ON APR 8	134 000	1981
1982	---	23.4 ON JUN 24	0 E ON APR 1	160 000	1982
1983	---	25.3 ON JUN 17	0 E ON OCT 18	181 000	1983
1984	---	23.9 ON JUL 21	0.047 ON OCT 31	200 000	1984
				149 000	MEAN

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

E - ESTIMATED

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1966	---	---	---	---	16.5	31.9	37.5	31.9	23.3	11.3	---	---	25.1	1966
1967	---	---	---	---	9.73	50.6	63.8	33.3	29.2	10.7	---	---	34.1	1967
1968	---	---	---	---	13.1	36.3	48.7	39.2	25.8	7.61	---	---	28.2	1968
1969	---	---	---	---	---	54.8	40.6	---	---	---	---	---	---	1969
1970	---	---	---	---	7.94	54.1	44.9	35.2	11.7	5.60	---	---	26.5	1970
1971	---	---	---	---	16.5	44.4	42.5	45.0	20.0	9.19	---	---	29.9	1971
1972	---	---	---	---	17.6	53.0	41.3	35.2	15.8	8.65	---	---	30.9	1972
1973	---	---	---	---	16.0	40.2	37.5	33.7	15.1	7.94	---	---	25.1	1973
1974	---	---	---	---	9.65	52.8	53.3	36.2	21.1	9.54	---	---	30.7	1974
1975	---	---	---	---	8.01	32.0	58.8	29.1	14.5	8.77	---	---	24.8	1975
1976	---	---	---	---	17.2	29.6	57.0	51.4	26.4	10.3	---	---	32.3	1976
1977	---	---	---	---	10.5	42.3	38.7	39.0	16.1	5.53	---	---	25.3	1977
1978	---	---	---	---	10.8	53.7	80.8	38.1	40.0	13.3	---	---	38.0	1978
1979	---	---	---	---	---	39.1	49.0	35.9	21.2	8.56	---	---	---	1979
1980	---	---	---	---	25.9	39.0	37.2	29.1	15.6	10.7	---	---	28.4	1980
1981	---	---	---	---	20.5	28.5	47.0	45.0	21.0	5.28	---	---	28.0	1981
1982	---	---	---	---	5.13	55.9	54.5	37.5	29.5	9.82	---	---	32.0	1982
1983	---	---	---	---	13.5	37.5	43.5	37.0	17.0	7.92	---	---	25.2	1983
1984	---	---	---	---	4.84	50.0	43.7	41.2	23.6	9.82	---	---	25.8	1984
MEAN	---	---	---	---	13.1	44.4	47.3	37.7	21.7	8.92	---	---	28.8	MEAN

LOCATION - LAT. 52 43 28 N DRAINAGE AREA, 598 km²
LONG 117 55 39 W NATURAL FLOW

WHIRLPOOL RIVER NEAR THE MOUTH - STATION NO. 07AA009

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1966	---	58.2 ON JUL 25	2.25E ON MAY 1	398 000	1966
1967	---	83.6 ON JUN 27	1.05 ON MAY 1 *	542 000	1967
1968	---	68.9 ON JUL 8	2.83E ON MAY 1	449 000	1968
1969	78.7 AT 17:00 MST ON JUN 6	73.6 ON JUN 6	---	---	1969
1970	77.0 AT 11:30 MST ON JUN 22	73.3 ON JUN 22	1.87 ON MAY 1	421 000	1970
1971	78.6 AT 00:00 MST ON JUN 24	70.8 ON JUN 24	4.25E ON OCT 31	478 000	1971
1972	108 E ON JUN 11	103 E ON JUN 11	1.82 ON MAY 1	491 000	1972
1973	87.1 AT 13:40 MST ON JUN 24	82.3 ON JUN 24	1.98E ON MAY 1	389 000	1973
1974	121 AT 07:30 MST ON JUN 23	114 ON JUN 23	5.37 ON MAY 18	487 000	1974
1975	88.3 AT 08:30 MST ON JUL 13	84.4 ON JUL 12	2.30 ON MAY 1	398 000	1975
1976	74.8 AT 09:30 MST ON JUL 9	71.6 ON JUL 9	4.84 ON MAY 1	515 000	1976
1977	81.3 AT 09:00 MST ON JUN 8	75.6 ON JUN 8	4.02 ON OCT 31	402 000	1977
1978	108 AT 20:15 MST ON SEP 3	91.7 ON SEP 4	5.21 ON MAY 7	572 000	1978
1979	72.2 AT 07:00 MST ON JUL 21	68.9 ON JUL 21	---	---	1979
1980	89.4 AT 09:25 MST ON JUN 17	88.1 ON JUN 17	4.84 ON OCT 31	420 000	1980
1981	86.9 AT 08:50 MST ON JUL 6	84.5 ON JUL 6	3.18E ON OCT 31	445 000	1981
1982	101 AT 08:50 MST ON JUN 22	98.5 ON JUN 22	1.40 ON MAY 1	510 000	1982
1983	84.2 AT 23:15 MST ON JUL 12	72.0 ON JUL 12	3.17 ON MAY 1	417 000	1983
1984	169 AT 05:20 MST ON JUN 28 *	153 ON JUN 29 *	2.35 ON MAY 4	458 000	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		459 000	MEAN

E - ESTIMATED

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	0.078	0.082	0.016	0.028	0.012	---	---	---	1965
1966	---	---	---	0.008	0.088	0.080	0.030	0.042	0.018	0.009	---	---	0.041	1966
1967	---	---	---	0.001	0.027	0.038	0.012	0.004	0.002	0.001	0.001	0.001	0.019	1967
1968	0	---	---	---	---	0.008	0.008	0.006	0.003	0.003	0.003	---	---	1968
1969	---	---	---	---	0.015	0.013	0.032	0.054	0.011	0.007	0.008	0.003	0.022	1969
1970	---	---	0.001	0.002	0.018	0.018	0.008	0.003	0.001	0.001	---	---	0.008	1970
1971	---	---	---	---	0.014	0.083	0.073	0.006	0.003	0.003	---	---	0.027	1971
1972	---	---	0	0.003	0.033	0.043	0.021	0.008	0.010	0.022	0.008	0.002	0.013	1972
1973	---	---	---	---	0.084	0.037	0.009	0.004	0.002	0.004	0.003	0.001	0.020	1973
1974	---	---	---	---	---	0.018	0.012	0.005	0.005	0.002	0.001	0.001	---	1974
1975	---	---	---	---	0.007	0.010	0.008	0.001	0.001	0.001	0.001	---	0.005	1975
1976	---	---	---	---	0.006	0.004	0.003	0.012	0.003	0.002	0.001	0.001	0.005	1976
1977	---	---	---	---	0.071	0.038	0.034	0.038	0.038	0.025	---	---	0.038	1977
1978	---	---	---	---	0.037	0.085	0.037	0.013	0.018	0.008	---	---	0.029	1978
1979	---	---	---	---	---	---	---	0.006	0.006	0.006	---	---	---	1979
1980	---	---	---	---	0.013	0.131	0.066	0.020	0.021	0.010	---	---	0.038	1980
1981	---	---	---	---	0.038	0.032	0.021	0.012	0.005	0.003	---	---	0.018	1981
1983	---	---	---	---	---	---	0.033	0.010	0.005	0.008	---	---	---	1983
1984	---	---	---	---	0.035	0.028	0.007	0.003	0.005	0.014	---	---	0.018	1984
MEAN	0	---	0.001	0.004	0.033	0.041	0.027	0.013	0.010	0.007	0.003	0.002	0.022	MEAN

LOCATION - LAT. 53 22 50 N DRAINAGE AREA, 3.13 km²
LONG 117 33 15 W NATURAL FLOW

WHISKEYJACK CREEK NEAR HINTON - STATION NO. 07AD004

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	0.385 AT 15:00 MST ON JUL 8	0.241 ON JUL 11	---	---	1985
1986	0.386 AT 16:00 MST ON MAY 10	0.266 ON MAY 10	0.007 ON OCT 15	849	1986
1987	0.183 AT 06:00 MST ON JUN 8	0.159 ON JUN 9	0.001 ON SEP 14 *	299	1987
1988	---	0.015 ON JUN 29	0.002 ON SEP 25	---	1988
1989	0.576 AT 15:00 MST ON AUG 5	0.340 ON AUG 5	0.004 ON OCT 30	354	1989
1970	0.099 AT 22:50 MST ON JUN 15	0.082 ON JUN 15	0.001E ON AUG 22	124	1970
1971	0.248 AT 21:30 MST ON JUL 11	0.210 ON JUL 12	0.001 ON SEP 4	428	1971
1972	---	0.155 ON JUN 25	0.004 ON AUG 4	361	1972
1973	0.180 AT 20:15 MST ON MAY 27	0.167 ON MAY 28	0.001 ON SEP 4	316	1973
1974	---	---	---	---	1974
1975	0.074 AT 17:30 MST ON JUN 28	0.048 ON JUN 28	0.001 ON AUG 7	78.2	1975
1976	0.078 AT 14:30 MST ON AUG 16	0.062 ON AUG 16	0.001 ON JUL 23	80.6	1976
1977	0.288 AT 16:20 MST ON MAY 29	0.187 ON MAY 30	0.001 ON MAY 1	822	1977
1978	0.328 AT 12:30 MST ON JUL 11	0.178 ON JUL 11	0.004 ON OCT 17	484	1978
1979	---	---	---	---	1979
1980	0.819 AT 15:40 MST ON JUN 4 *	0.522 ON JUN 4 *	0.004E ON MAY 1	803	1980
1981	0.262 AT 16:50 MST ON MAY 22	0.128 ON MAY 22	0.001 ON MAY 2	276	1981
1983	---	---	---	---	1983
1984	---	0.068E ON MAY 17	0.002E ON AUG 13	255	1984
		* - EXTREME RECORDED FOR THE PERIOD OF RECORD		351	MEAN

E - ESTIMATED

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1976	---	---	---	---	---	---	---	---	0	0	---	---	---	1976
1978	---	---	0.087	0.022	0	0	0	0	0.385	0.041	---	---	0.085	1978
1979	---	---	0.821	0.393	0.078	0.001	0.003	0	0	0	---	---	0.137	1979
1980	---	---	0.001	0.404	0	0.088	0.017	0.125	0.134	0.003	---	---	0.085	1980
1981	---	---	0.188	0.014	0.002	0	0.038	0.082	0	0	---	---	0.040	1981
1982	---	---	0	0.893	0.029	0	0.418	0.003	0	0	---	---	0.188	1982
1983	---	---	0.113	0.140	0	0.013	0.542	0.001	0	0	---	---	0.102	1983
1984	---	---	0.038	0.003	0	0.118	0	0	0.101	0.008	---	---	0.032	1984
MEAN	---	---	0.148	0.287	0.018	0.031	0.145	0.027	0.078	0.008	---	---	0.091	MEAN

LOCATION - LAT 53 13 20 N DRAINAGE AREA, 83.7 km^2
LONG 113 41 23 W NATURAL FLOW

WHITEMUD CREEK (WEST BRANCH) NEAR IRETON - STATION NO. 05DF007

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1976	---	---	0 ON AUG 5 *	---	1976
1978	3.77 AT 17:30 MST ON SEP 18	3.23 ON SEP 18	0B ON MAR 1	1 380	1978
1979	3.60 B AT 07:25 MST ON MAR 17	2.80 ON APR 19	0B ON MAR 1	2 900	1979
1980	3.30 B AT 07:15 MST ON APR 5	2.35 B ON APR 5	0B ON MAR 1	2 010	1980
1981	1.72 AT 05:00 MST ON MAR 13	1.00 B ON MAR 14	0B ON MAR 5	837	1981
1982	5.21 AT 01:10 MST ON APR 23 *	5.52 ON APR 23 *	0 ON MAR 1	3 510	1982
1983	3.84 AT 11:35 MST ON JUL 3	2.73 ON JUL 3	0B ON MAR 1	2 150	1983
1984	0.671 AT 15:25 MST ON JUN 9	0.616 ON JUN 9	0B ON MAR 1	683	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		1 830	MEAN

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF006

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1969	---	---	---	---	---	0	0	0.008	0.015	0	---	---	---	1969
1970	---	---	0	4.88	0.034	0.011	0.815	0.093	0	0	---	---	0.718	1970
1971	---	---	0	7.85	0.078	0.012	1.31	0.015	0	0	---	---	1.12	1971
1972	---	---	1.51	4.17	0.148	0.073	0.040	0.088	0.008	0.003	---	---	0.748	1972
1973	---	---	1.34	1.98	0.138	1.30	1.23	0.388	0.005	0.008	---	---	0.688	1973
1974	---	---	0.005	18.0	---	---	---	0.015	0.008	0	---	---	---	1974
1975	---	---	0	1.57	0.284	0.035	0.024	0.010	0.027	0	---	---	0.237	1975
1976	---	---	0.048	1.14	0.002	0.007	0.007	0.035	0.038	0.008	---	---	0.157	1976
1977	---	---	---	---	---	---	---	---	---	---	---	---	---	1977
1978	---	---	0.588	0.388	0.048	0.014	0.028	0.084	1.81	0.173	---	---	0.388	1978
1979	---	---	3.83	2.11	0.281	0.073	0.148	0.080	0.002	0.022	---	---	0.792	1979
1980	---	---	0.011	3.44	0.058	0.484	0.284	1.02	1.14	0.313	---	---	0.634	1980
1981	---	---	2.81	0.232	0.108	0.077	0.188	0.253	0.004	0.013	---	---	0.462	1981
1982	---	---	0	7.08	0.383	0.073	2.44	0.018	0.020	0.043	---	---	1.24	1982
1983	---	---	0.824	1.21	0.015	0.540	3.81	0.103	0.007	0.005	---	---	0.781	1983
1984	---	---	0.021	0.138	0.028	0.308	0.008	0.005	0.431	0.257	---	---	0.223	1984
MEAN	---	---	0.788	3.85	0.120	0.218	0.738	0.184	0.241	0.057	---	---	0.880	MEAN

LOCATION - LAT 53 24 44 N DRAINAGE AREA, 338 km^2
LONG 113 35 30 W NATURAL FLOW

WHITEMUD CREEK NEAR ELLERSLIE - STATION NO. 05DF005

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1969	---	---	0 ON MAY 22 *	---	1969
1970	36.5 AT 21:47 MST ON APR 10	31.7 ON APR 11	0B ON MAR 1	15 200	1970
1971	54.0 B AT 01:00 MST ON APR 17	41.1 B ON APR 18	0B ON MAR 1	23 800	1971
1972	17.4 AT 17:30 MST ON APR 7	15.5 ON APR 7	0B ON MAR 1	15 800	1972
1973	17.3 B AT 12:00 MST ON MAR 31	10.9 B ON MAR 31	0B ON MAR 1	15 300	1973
1974	114 AT 09:00 MST ON APR 23 *	95.1 ON APR 23 *	0 ON OCT 3	---	1974
1975	10.3 B AT 16:30 MST ON APR 21	7.938 ON APR 22	0B ON MAR 1	5 010	1975
1976	---	6.788 ON APR 6	0B ON MAR 1	3 330	1976
1977	---	---	0 ON JUN 28	---	1977
1978	8.07 AT 17:30 MST ON SEP 19	7.65 ON SEP 19	0B ON MAR 1	6 340	1978
1979	13.8 B AT 19:15 MST ON MAR 18	13.6 B ON MAR 17	0B ON MAR 1	15 800	1979
1980	18.8 B AT 18:45 MST ON APR 8	14.4 B ON APR 8	0B ON MAR 1	17 700	1980
1981	12.9 AT 22:30 MST ON MAR 15	11.2 B ON MAR 15	0 ON JUN 29	9 780	1981
1982	46.6 AT 11:10 MST ON APR 23	44.2 ON APR 23	0B ON MAR 1	28 300	1982
1983	16.2 AT 09:25 MST ON JUL 8	15.5 ON JUL 8	0B ON MAR 1	15 800	1983
1984	---	4.278 ON MAR 24	0B ON MAR 1	4 720	1984
	B - ICE CONDITIONS	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		14 000	MEAN

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1971	---	---	---	---	---	---	---	2.63	0.864	0.957	0.364	0.174	---	1971
1972	0.082	0.088	0.156	7.91	42.2	3.10	20.4	7.83	1.32	2.22	0.922	0.313	7.28	1972
1973	0.286	0.141	0.196	20.8	27.6	19.3	5.45	6.80	3.61	3.59	1.81	0.484	7.52	1973
1974	0.282	0.241	0.167	32.1	88.4	8.58	5.10	10.0	8.21	5.10	1.53	0.554	11.3	1974
1975	0.282	0.150	0.128	4.36	13.8	6.97	5.05	0.621	0.679	0.390	0.315	0.153	2.87	1975
1976	0.080	0.086	0.080	12.9	6.30	10.3	14.3	17.4	4.46	2.27	0.991	0.537	5.82	1976
1977	0.247	0.343	0.257	8.64	16.4	43.3	4.63	2.52	1.77	5.74	1.71	0.452	7.24	1977
1978	0.231	0.143	0.151	8.18	37.7	8.78	1.84	0.484	4.38	2.12	0.730	0.308	5.12	1978
1979	0.136	0.128	0.106	2.89	35.8	24.5	17.4	3.99	2.24	1.34	0.297	0.107	7.43	1979
1980	0.032	0.007	0.005	1.58	1.03	1.58	2.54	1.44	2.27	1.75	0.788	0.076	1.12	1980
1981	0.001	0.043	0.822	7.05	17.7	7.20	2.67	0.619	0.025	0.186	0.184	0.087	3.04	1981
1982	0.071	0.031	0.029	2.48	15.2	0.887	0.106	2.23	0.248	0.272	0.182	0.087	1.85	1982
1983	0.022	0.034	0.058	3.34	3.91	12.7	20.2	10.4	1.03	1.09	0.623	0.300	4.52	1983
1984	0.084	0.089	0.330	2.18	20.4	10.7	18.4	1.78	2.38	1.70	0.838	0.288	4.85	1984
MEAN	0.147	0.114	0.176	8.70	23.4	11.9	9.15	4.89	2.28	2.06	0.803	0.279	5.38	MEAN

LOCATION - LAT 55 30 40 N DRAINAGE AREA, 2 010 km^2
LONG 113 39 32 W NATURAL FLOW

WHITEMUD RIVER NEAR DIXONVILLE - STATION NO. 07HA005

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1971	---	---	---	---	1971
1972	71.1 E AT 12:00 MST ON APR 30	69.7 E ON APR 30	0.0518 ON FEB 29	231 000	1972
1973	54.1 AT 17:00 MST ON MAY 8	53.8 ON MAY 8	0.0788 ON FEB 11	237 000	1973
1974	122 AT 18:30 MST ON MAY 1 *	122 ON MAY 1 *	0.1138 ON MAR 24	358 000	1974
1975	35.4 AT 23:00 MST ON JUN 30	33.7 ON JUN 30	0.1088 ON DEC 31	90 400	1975
1976	56.9 AT 23:00 MST ON JUN 30	56.1 ON JUN 30	0.0518 ON MAR 1	184 000	1976
1977	103 AT 07:30 MST ON JUN 7	101 ON JUN 7	0.1478 ON MAR 21	228 000	1977
1978	118 AT 18:00 MST ON MAY 25	107 ON MAY 25	0.040 ON AUG 16	161 000	1978
1979	57.9 AT 21:30 MST ON MAY 2	54.1 ON MAY 2	0.0508 ON DEC 14	234 000	1979
1980	7.078 AT 08:30 MST ON APR 21	6.20 ON JUL 8	0 8 ON MAR 14 *	35 500	1980
1981	40.5 AT 14:30 MST ON MAY 4	40.1 ON MAY 4	0.0018 ON JAN 1	95 900	1981
1982	39.0 AT 12:30 MST ON MAY 6	35.5 ON MAY 6	0.0158 ON FEB 26	56 200	1982
1983	71.6 AT 09:00 MST ON JUL 31	71.0 ON JUL 31	0.0128 ON JAN 25	142 000	1983
1984	74.3 AT 22:00 MST ON MAY 25	74.0 ON MAY 25	0.0498 ON JAN 22	157 000	1984
	B - ICE CONDITIONS E - ESTIMATED	* - EXTREME RECORDED FOR THE PERIOD OF RECORD		170 000	MEAN

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAY TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	1.09	5.23	12.1	31.4	39.2	21.1	15.4	10.9	---	---	22.2	1965
1966	---	---	1.84	2.18	20.6	28.9	21.6	17.0	10.6	6.38	---	---	17.2	1966
1967	---	---	1.42	1.70	14.7	35.5	13.2	7.80	4.73	3.62	---	---	13.2	1967
1968	---	---	3.99	2.80	14.0	19.2	17.2	12.6	7.61	4.70	---	---	12.6	1968
1969	---	---	---	---	---	12.7	13.8	26.5	8.57	4.82	---	---	---	1969
1970	---	---	---	---	8.08	15.4	7.30	3.95	3.02	2.53	---	---	8.88	1970
1971	---	---	---	---	8.12	34.1	32.6	8.87	5.23	4.39	---	---	15.5	1971
1972	---	---	---	---	11.5	38.3	12.5	7.35	5.98	6.19	---	---	13.5	1972
1973	---	---	---	---	11.0	17.2	11.0	5.85	3.95	3.85	---	---	8.77	1973
1974	---	---	---	---	8.89	24.4	15.8	8.81	6.41	4.41	---	---	11.5	1974
1975	---	---	---	---	4.58	8.53	11.7	4.81	3.63	2.58	---	---	5.15	1975
1976	---	---	---	---	10.2	12.5	13.0	17.5	7.64	4.44	---	---	10.9	1976
1977	---	---	---	---	14.2	28.3	21.5	14.5	13.1	8.58	---	---	15.4	1977
1978	---	---	---	---	10.0	24.5	23.5	10.4	13.3	7.85	---	---	15.0	1978
1979	---	---	---	---	8.41	14.0	9.24	8.13	4.25	3.12	---	---	7.51	1979
1980	---	---	---	---	5.83	39.5	15.3	10.5	8.28	5.13	---	---	14.4	1980
1981	---	---	---	---	11.2	11.3	8.89	8.92	5.26	3.81	---	---	8.21	1981
1982	---	---	---	---	7.24	28.1	35.3	14.5	11.3	11.5	---	---	17.7	1982
1983	---	---	---	---	8.24	13.3	13.0	8.59	4.24	3.15	---	---	7.58	1983
1984	---	---	---	---	4.83	20.5	11.5	8.89	8.82	11.1	---	---	10.2	1984
MEAN	---	---	2.01	2.82	10.1	22.5	17.4	11.0	7.59	5.58	---	---	12.4	MEAN

LOCATION - LAT 53 31 24 N DRAINAGE AREA, 959 km²
LONG 117 58 49 W NATURAL FLOW

WILDHAY RIVER NEAR HINTON - STATION NO. 07AC001

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAY TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1965	110 AT 23:00 MST ON JUL 11	92.9 ON JUL 12	4.90 ON MAY 7	352 000	1965
1966	44.7 AT 18:00 MST ON MAY 10	41.8 ON MAY 27	2.41 B ON MAY 1	274 000	1966
1967	54.9 AT 05:00 MST ON JUN 3	52.4 ON JUN 3	2.97 ON OCT 30	209 000	1967
1968	38.4 AT 12:50 MST ON JUN 12	26.9 ON JUN 12	2.83 B ON MAY 1	199 000	1968
1969	122 AT 08:07 MST ON AUG 6	88.3 ON AUG 6	---	---	1969
1970	25.1 AT 04:40 MST ON JUN 4	23.4 ON JUN 4	2.12 ON MAY 1	108 000	1970
1971	117 AT 21:00 MST ON JUN 8	97.7 ON JUN 8	3.40 E ON OCT 31	247 000	1971
1972	118 AT 14:00 MST ON JUN 13	112 ON JUN 13	2.88 ON MAY 1	215 000	1972
1973	28.2 AT 22:45 MST ON JUN 24	26.8 ON JUN 25	2.37 ON MAY 1	139 000	1973
1974	40.8 AT 08:40 MST ON JUN 17	38.8 ON JUN 17	3.54 E ON OCT 31	184 000	1974
1975	17.3 AT 12:40 MST ON JUL 4	17.0 ON JUL 4	0.8038 ON MAY 1 *	87 700	1975
1976	29.7 AT 02:10 MST ON AUG 17	28.2 ON AUG 17	3.43 E ON OCT 31	174 000	1976
1977	46.3 AT 05:20 MST ON JUN 8	42.2 ON JUN 8	3.23 ON MAY 2	281 000	1977
1978	77.3 AT 17:40 MST ON JUL 11	61.4 ON JUL 12	5.38 ON OCT 31	238 000	1978
1979	28.7 AT 12:15 MST ON MAY 27	24.1 ON MAY 27	2.88 A ON OCT 30	118 000	1979
1980	188 AT 18:20 MST ON JUN 4 *	121 ON JUN 4 *	4.48 ON OCT 31	229 000	1980
1981	28.0 AT 08:30 MST ON MAY 23	23.4 ON MAY 23	2.82 ON OCT 30	131 000	1981
1982	76.0 AT 08:55 MST ON JUL 5	73.0 ON JUL 5	2.15 B ON MAY 1	282 000	1982
1983	29.2 AT 19:50 MST ON JUN 24	26.5 ON JUN 25	2.87 ON OCT 25	121 000	1983
1984	38.5 AT 09:00 MST ON JUN 14	33.9 ON JUN 14	2.36 ON MAY 5	162 000	1984
				187 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1965	---	---	---	---	---	4.10	1.78	0.425	0.838	0.678	0.318	0.185	---	1965
1966	0.123	0.088	0.378	0.731	2.12	3.86	1.24	0.783	0.306	0.287	0.232	0.118	0.831	1966
1967	0.074	0.068	0.148	0.835	7.58	10.2	0.773	0.188	0.088	0.080	0.125	0.150	1.73	1967
1968	0.132	0.080	0.213	0.438	1.24	2.38	0.729	0.589	1.14	1.30	0.578	0.448	0.772	1968
1969	0.288	0.238	0.292	2.10	4.05	5.83	0.338	0.158	0.184	0.181	0.117	1.07	1.08	1969
1970	0.011	0.085	0.121	0.536	3.83	5.17	1.08	0.138	0.148	0.171	0.148	0.084	0.843	1970
1971	0.078	0.135	0.114	1.10	2.61	3.00	0.388	0.089	0.114	0.207	0.202	0.044	0.882	1971
1972	0.088	0.074	0.579	2.08	5.35	2.88	0.883	1.41	0.888	0.630	0.518	0.281	1.30	1972
1973	0.287	0.240	0.478	1.67	4.38	2.38	0.408	0.218	0.225	0.184	0.118	0.087	0.884	1973
1974	0.086	0.042	0.188	1.78	8.84	4.01	0.840	0.518	0.430	0.388	0.227	0.187	1.27	1974
1975	0.083	0.010	0.113	1.02	5.49	8.02	2.35	0.638	0.287	0.270	0.184	0.133	1.48	1975
1976	0.118	0.083	0.277	1.03	2.21	1.37	0.443	4.38	0.688	0.303	0.188	0.188	0.824	1976
1977	0.104	0.134	0.187	0.430	0.483	0.333	0.082	0.234	0.302	0.288	0.184	0.104	0.224	1977
1978	0.080	0.077	0.348	1.28	4.28	3.28	1.83	0.708	0.810	0.338	0.304	0.210	1.11	1978
1979	0.138	0.104	0.472	1.28	4.28	1.33	0.311	0.281	0.138	0.100	0.078	0.188	0.728	1979
1980	0.101	0.084	0.078	1.21	1.83	2.82	0.321	0.338	0.817	0.438	0.381	0.280	0.878	1980
1981	0.280	0.187	0.330	0.440	3.08	4.83	1.38	0.844	0.178	0.187	0.140	0.047	1.48	1981
1982	0	0.001	0.010	0.882	0.885	2.84	0.808	0.084	0.112	0.188	0.150	0.080	0.441	1982
1983	0.085	0.083	0.213	0.885	1.78	1.32	0.403	0.131	0.025	0.100	0.075	0.020	0.433	1983
1984	0.032	0.072	0.133	0.387	0.808	0.882	0.180	0.018	0.018	0.128	0.082	0.051	0.207	1984
MEAN	0.108	0.104	0.244	1.08	3.87	3.47	1.12	0.803	0.387	0.330	0.218	0.147	0.948	MEAN

LOCATION - LAT 50 11 47 N DRAINAGE AREA, 103 km²
LONG 114 13 46 W NATURAL FLOW

WILLOW CREEK ABOVE CHAIN LAKES - STATION NO. 05AB028

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1985	22.6 AT 22:30 MST ON JUN 17	18.3 ON JUN 18	---	---	1985
1986	---	10.6 ON JUN 6	0.0859 ON MAR 7	26 200	1986
1987	---	39.1 ON MAY 31	0.042 ON SEP 21	54 500	1987
1988	---	4.84 ON JUN 7	0.0598 ON FEB 21	24 400	1988
1989	46.3 A AT 12:00 MST ON JUN 25	39.4 A ON JUN 25 *	0.0318 ON DEC 31	82 100	1989
1970	42.6 AT 13:10 MST ON JUN 13	18.4 ON JUN 14	0.0018 ON JAN 17	28 700	1970
1971	---	11.7 A ON JUN 8	0.0068 ON DEC 19	20 800	1971
1972	17.6 AT 08:40 MST ON AUG 23	8.33 ON MAY 15	0.0858 ON JAN 1	41 200	1972
1973	---	12.7 A ON MAY 26	0.0858 ON DEC 7	27 300	1973
1974	17.1 E ON APR 27	11.0 E ON APR 27	0.0178 ON JAN 10	40 200	1974
1975	53.0 AT 03:30 MST ON JUN 20 *	38.5 ON JUN 20	0.0148 ON JAN 18	48 800	1975
1976	43.8 AT 21:00 MST ON AUG 5	20.8 ON AUG 5	0.0858 ON FEB 10	28 200	1976
1977	---	1.038 ON APR 8	0.018 ON AUG 2	7 070	1977
1978	10.8 AT 01:40 MST ON MAY 31	9.32 ON MAY 31	0.0848 ON MAR 5	35 000	1978
1979	8.32 AT 22:20 MST ON MAY 16	7.16 ON MAY 16	0.0408 ON DEC 1	22 800	1979
1980	8.98 AT 23:00 MST ON JUN 2	8.12 ON MAY 26	0.0208 ON FEB 23	21 400	1980
1981	48.6 AT 00:20 MST ON MAY 20	31.5 ON MAY 20	0.0028 ON DEC 31	46 000	1981
1982	6.58 AT 21:00 MST ON JUN 10	5.16 ON JUN 10	0 B ON JAN 4 *	13 800	1982
1983	6.82 AT 07:55 MST ON APR 25	4.17A ON APR 25	0 ON SEP 7	13 400	1983
1984	2.09 AT 08:54 MST ON MAY 16	1.89 ON JUN 10	0 ON AUG 15	5 850	1984
				29 800	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1977	---	---	---	---	---	0.545	0.282	0.412	0.426	0.468	---	---	---	1977
1978	---	---	2.23	1.88	8.33	5.85	4.33	1.80	1.42	0.711	---	---	3.88	1978
1979	---	---	1.81	4.80	11.2	4.10	1.15	0.535	0.432	0.371	---	---	3.05	1979
1980	---	---	0.822	2.84	2.83	5.84	0.812	0.842	0.889	0.914	---	---	1.85	1980
1981	---	---	1.06	1.01	17.6	11.9	3.93	1.82	0.887	0.871	---	---	4.88	1981
1982	---	---	0.747	3.77	1.17	4.30	1.88	0.483	0.538	0.570	---	---	1.85	1982
1983	---	---	1.05	1.84	1.73	1.97	0.905	0.389	0.140	0.358	---	---	1.02	1983
1984	---	---	0.813	0.889	0.783	0.780	0.330	0.201	0.348	0.389	---	---	0.505	1984
MEAN	---	---	1.18	2.18	5.25	4.75	1.68	0.850	0.812	0.554	---	---	2.38	MEAN

LOCATION - LAT 50 08 25 N, LONG 113 56 21 W
DRAINAGE AREA, 727 km^2
REGULATED SINCE 1968

WILLOW CREEK BELOW LANE CREEK - STATION NO. 05AB039

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1977	1.78R AT 01:15 MST ON JUN 17	---	---	---	1977
1978	24.6 AT 05:30 MST ON MAY 31	23.6 ON MAY 31	0.3088 ON MAR 2	78 100	1978
1979	18.3 AT 05:40 MST ON MAY 17	15.5 ON MAY 17	0.275E ON OCT 30	64 800	1979
1980	12.4 AT 15:30 MST ON MAY 27	11.6 ON MAY 27	0.384 ON JUL 31	39 400	1980
1981	88.1 AT 03:40 MST ON JUN 14 *	81.2 ON MAY 22 *	0.801 ON SEP 19	103 000	1981
1982	8.23 AT 09:15 MST ON JUN 8	7.36 ON JUN 8	0.3008 ON MAR 3	32 700	1982
1983	8.78 AT 13:21 MST ON APR 25	8.21 ON APR 25	0.088 ON SEP 7 *	21 800	1983
1984	2.20 AT 23:03 MST ON MAY 16	1.77 ON MAY 17	0.113 ON JUL 13	10 800	1984
				50 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1943	---	---	---	---	---	---	---	---	1.82	---	---	---	---	1943
1944	0.048	0.085	0.280	2.28	1.30	1.48	0.898	0.221	0.153	0.284	0.233	0.084	0.889	1944
1945	0.025	0.029	0.852	1.04	8.05	14.8	4.28	0.785	0.823	1.18	0.591	0.883	2.78	1945
1946	0.385	0.418	1.43	2.03	3.25	9.87	2.23	0.785	1.87	1.84	0.800	0.597	2.10	1946
1947	0.491	1.30	3.88	8.83	10.1	8.34	2.88	2.09	4.21	3.28	2.02	1.83	4.12	1947
1948	1.04	0.810	3.81	13.8	36.1	25.0	8.48	3.81	1.80	1.25	0.780	0.248	8.08	1948
1949	0.137	0.097	0.834	3.70	3.74	3.40	1.02	0.107	0.141	0.392	0.538	0.226	1.17	1949
1950	0.049	0.408	1.18	3.43	8.37	3.84	1.00	0.539	0.184	0.387	0.215	0.225	1.40	1950
1951	0.181	0.138	7.88	8.33	18.9	31.8	13.3	8.30	13.1	8.89	3.79	2.33	8.15	1951
1952	0.842	1.89	4.89	13.8	8.78	9.19	5.39	3.80	1.78	1.17	0.818	0.478	4.33	1952
1953	0.317	0.887	3.28	8.85	21.1	82.1	11.2	3.38	1.89	1.28	1.09	0.738	9.44	1953
1954	0.838	1.01	0.753	5.28	13.7	9.15	2.38	2.32	2.89	3.80	2.03	0.984	3.72	1954
1955	0.378	0.588	0.882	11.3	23.8	13.2	11.3	2.18	1.30	1.22	0.484	0.848	5.82	1955
1956	0.841	0.324	2.74	3.87	7.08	3.10	5.83	1.12	0.859	0.685	0.701	0.388	2.27	1956
1957	0.137	0.461	1.84	8.25	8.78	6.88	1.19	0.808	0.580	0.878	0.881	0.478	2.23	1957
1958	0.291	0.212	1.47	10.8	11.2	7.42	10.1	3.10	1.28	0.718	0.888	0.588	3.89	1958
1959	0.388	0.278	4.13	4.81	9.87	7.40	2.11	0.948	1.07	0.948	1.10	0.772	2.81	1959
1960	0.582	0.888	5.71	3.88	8.89	3.82	0.708	0.521	0.182	0.270	0.228	0.204	2.08	1960
1961	0.242	0.284	0.588	1.23	4.82	1.87	0.403	0.430	0.281	1.28	0.838	0.421	1.08	1961
1962	0.888	1.40	4.48	8.84	3.88	2.88	0.887	0.228	0.284	0.288	0.257	0.178	2.08	1962
1963	0.158	0.387	0.418	0.778	1.80	14.1	14.3	1.28	0.871	0.500	0.353	0.285	2.93	1963
1964	0.120	0.128	0.128	2.28	13.8	8.38	2.42	0.808	0.818	0.688	0.487	0.220	2.82	1964
1965	0.132	1.47	0.441	5.81	3.73	8.78	7.48	1.78	2.88	1.78	0.824	0.878	3.13	1965
1966	0.288	0.337	2.78	2.88	3.88	13.8	2.88	1.83	0.847	0.758	0.574	0.314	2.84	1966
1967	0.133	0.240	3.42	2.85	18.8	30.8	5.23	1.83	0.783	0.820	0.788	0.434	5.47	1967
1968	0.518	0.435	1.18	1.05	1.88	3.18	1.78	1.27	2.78	4.30	2.00	1.28	1.78	1968
1969	0.888	0.838	3.83	13.8	11.8	18.4	24.8	2.88	1.43	1.35	1.18	0.886	8.80	1969
1970	0.328	0.638	1.33	3.37	8.21	11.1	3.44	0.882	0.712	0.834	0.874	0.883	2.87	1970
1971	1.82	3.38	1.28	5.08	4.17	8.88	1.14	0.380	0.470	0.884	0.818	0.278	2.18	1971
1972	0.387	0.807	8.58	7.33	18.3	8.40	2.85	3.84	2.37	2.00	1.88	0.780	4.38	1972
1973	1.10	1.28	2.04	4.87	11.4	7.48	1.80	0.811	0.831	0.878	0.804	0.847	2.80	1973
1974	0.680	0.787	3.38	4.73	21.2	12.4	2.88	1.88	1.22	1.17	0.878	0.788	4.30	1974
1975	0.881	0.484	0.883	7.88	17.7	18.7	7.37	2.82	1.14	1.02	0.718	0.805	4.78	1975
1976	1.18	0.780	3.22	3.17	4.95	2.88	0.788	8.71	1.30	0.847	0.805	0.587	2.40	1976
1977	0.744	0.830	1.08	1.88	0.882	0.439	0.187	0.338	0.348	0.388	0.178	0.194	0.818	1977
1978	0.283	0.384	3.23	2.22	12.0	10.4	8.87	2.24	1.88	0.977	0.852	0.488	3.40	1978
1979	0.210	0.847	2.84	8.05	14.2	4.85	1.08	0.888	0.844	0.822	0.341	0.381	2.70	1979
1980	0.218	0.443	0.888	3.18	2.91	5.74	0.882	0.878	0.734	0.788	0.884	0.818	1.48	1980
1981	0.802	0.780	1.07	1.02	18.5	14.8	4.88	2.42	0.828	0.811	0.481	0.281	3.85	1981
1982	0.024	0.187	0.588	2.83	1.52	4.84	2.10	0.337	0.381	0.488	0.880	0.528	1.20	1982
1983	0.578	0.880	1.05	1.77	1.83	1.80	0.811	0.188	0.088	0.214	0.833	0.388	0.818	1983
1984	0.808	0.585	0.581	0.873	0.838	0.544	0.183	0.052	0.193	0.187	0.810	0.284	0.418	1984
MEAN	0.480	0.883	2.22	4.85	9.87	10.8	4.38	1.70	1.38	1.28	0.844	0.870	3.32	MEAN

LOCATION - LAT 50 01 05 N DRAINAGE AREA, 1 180 km²
LONG 113 42 50 W REGULATED SINCE 1988

WILLOW CREEK NEAR CLARESHOLM - STATION NO. 05AB021

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1943	---	---	---	---	1943
1944	5.80 AT 17:40 MST ON APR 4	5.47 ON APR 4	0.028 ON AUG 11	18 600	1944
1945	38.2 AT 08:00 MST ON JUN 7	35.7 ON JUN 26	0.030 ON FEB 1	87 100	1945
1946	---	52.1 ON JUN 7	0.113 ON FEB 8	88 300	1946
1947	22.7 AT 17:00 MST ON JUN 11	21.1 ON JUN 11	0.1708 ON JAN 14	130 000	1947
1948	78.7 AT 17:00 MST ON MAY 23	71.8 ON MAY 23	0.1888 ON DEC 15	255 000	1948
1949	11.4 AT 16:50 MST ON MAY 22	10.6 ON MAY 23	0.037 ON AUG 19	38 900	1949
1950	9.34 AT 17:00 MST ON MAY 13	8.84 ON MAY 16	0.0148 ON FEB 13	44 100	1950
1951	121 ON JUN 24	85.0 ON JUN 24	0.0618 ON FEB 1	288 000	1951
1952	---	35.1 ON APR 7	0.0288 ON JAN 24	137 000	1952
1953	283 AT 05:00 MST ON JUN 9 *	234 ON JUN 9 *	0.1708 ON JAN 1	298 000	1953
1954	37.1 AT 08:30 MST ON MAY 12	34.8 ON MAY 12	0.3408 ON MAR 22	117 000	1954
1955	92.6 AT 07:00 MST ON MAY 19	73.9 ON MAY 19	0.2278 ON FEB 27	177 000	1955
1956	38.2 AT 08:20 MST ON JUL 4	33.4 ON JUL 4	0.1988 ON FEB 27	71 900	1956
1957	14.6 AT 16:00 MST ON APR 30	13.3 ON MAY 2	0.0858 ON JAN 15	70 400	1957
1958	38.2 AT 07:50 MST ON APR 14	27.8 ON APR 14	0.1138 ON FEB 17	126 000	1958
1959	17.5 AT 12:00 MST ON MAY 28	16.7 ON MAY 28	0.1708 ON JAN 24	88 700	1959
1960	---	28.1 B ON MAR 20	0.118 ON SEP 21	95 800	1960
1961	---	7.48 ON MAY 25	0.125 ON SEP 6	33 500	1961
1962	45.8 AT 03:00 MST ON APR 5	30.3 ON APR 5	0.078 ON AUG 28	84 500	1962
1963	255 ON JUN 29	213 ON JUN 30	0.0578 ON NOV 19	92 500	1963
1964	---	32.6 ON MAY 7	0.0288 ON JAN 12	78 500	1964
1965	---	37.4 ON JUN 16	0.0178 ON JAN 7	88 800	1965
1966	---	33.7 ON JUN 5	0.0348 ON JAN 31	80 100	1966
1967	---	41.3 ON MAY 31	0.0378 ON JAN 31	172 000	1967
1968	---	9.91 ON SEP 28	0.0828 ON JAN 28	55 300	1968
1969	105 AT 18:30 MST ON JUL 1	92.6 ON JUL 1	0.3628 ON DEC 31	218 000	1969
1970	---	47.6 ON JUN 14	0.2288 ON JAN 15	84 100	1970
1971	---	22.7 ON JUN 7	0.1338 ON DEC 11	88 100	1971
1972	---	37.7 ON MAY 26	0.2788 ON JAN 12	138 000	1972
1973	44.5 AT 18:00 MDT ON MAY 26	30.8 ON MAY 27	0.488 ON AUG 29	88 200	1973
1974	33.7 AT 07:10 MST ON MAY 21	32.3 ON MAY 21	0.2838 ON JAN 13	136 000	1974
1975	90.3 AT 22:00 MST ON JUN 20	84.0 ON JUN 21	0.2838 ON NOV 27	151 000	1975
1976	---	32.0 ON AUG 6	0.1818 ON NOV 12	75 800	1976
1977	---	7.78 ON APR 5	0.051 ON JUL 24	18 600	1977
1978	---	38.2 ON MAY 18	0.1708 ON DEC 13	107 000	1978
1979	---	18.3 ON MAY 17	0.1408 ON JAN 8	85 300	1979
1980	---	12.8 ON MAY 27	0.1008 ON FEB 23	48 100	1980
1981	---	58.2 ON JUN 14	0.0588 ON DEC 31	122 000	1981
1982	---	7.92 ON JUN 7	0 E ON JAN 22 *	37 800	1982
1983	---	8.18 ON APR 28	0.008E ON AUG 8	28 800	1983
1984	---	1.98 ON MAY 17	0 ON AUG 21	13 200	1984
				102 000	MEAN

B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK NEAR CRANUM - STATION NO. 05AB015

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1924	---	---	---	---	8.40	18.3	5.78	4.74	1.38	1.10	---	---	---	1924
1925	---	---	2.84	9.58	8.32	10.7	2.05	1.02	1.38	4.88	---	---	4.83	1925
1926	---	---	1.38	4.48	3.37	12.3	8.98	2.48	14.8	10.0	---	---	7.03	1926
1927	---	---	3.37	8.84	33.3	46.3	12.1	9.13	19.4	16.9	---	---	18.0	1927
1928	---	---	10.8	13.7	13.3	28.4	30.3	9.20	4.84	3.88	---	---	13.7	1928
1929	---	---	2.88	7.18	20.0	34.8	4.88	1.82	1.28	1.37	---	---	8.13	1929
1930	---	5.13	2.84	8.48	7.88	8.87	2.78	0.883	0.728	0.877	---	---	3.88	1930
1931	---	---	1.31	2.08	---	---	---	---	---	---	---	---	---	1931
1935	---	---	---	9.88	3.78	3.37	1.43	0.305	0.085	0.328	---	---	---	1935
1936	---	---	4.08	8.01	1.48	1.34	0.104	0	0	0	---	---	1.88	1936
1937	---	---	0.333	2.41	2.28	8.80	1.32	0.583	0.280	0.832	---	---	2.08	1937
1938	---	---	1.87	8.52	18.2	7.28	4.12	0.904	0.282	0.488	---	---	4.87	1938
1939	---	---	3.04	2.18	1.42	16.0	3.83	0.882	0.338	1.08	---	---	3.48	1939
1940	---	---	1.84	4.43	8.21	2.88	1.13	0.437	1.82	1.82	---	---	2.80	1940
1941	---	---	1.10	1.48	1.44	3.08	0.898	0.433	1.84	1.84	---	---	1.48	1941
MEAN	---	5.13	2.84	8.08	8.88	14.0	6.88	2.28	3.42	3.21	---	---	8.04	MEAN

LOCATION - LAT 49 53 00 N LONG 113 33 00 W
DRAINAGE AREA, 2 000 km^2
NATURAL FLOW

REMARKS - HIGHER MAXIMUM DISCHARGES ARE KNOWN TO HAVE OCCURRED OUTSIDE THE STANDARD PERIOD IN 1930

WILLOW CREEK NEAR GRANUM - STATION NO. 05AD015

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1924	---	34.6 ON JUN 9	---	---	1924
1925	---	24.1 ON JUN 15	0.2838 ON MAR 1	102 000	1925
1926	---	51.6 ON JUN 30	0.5588 ON MAR 31	149 000	1926
1927	---	104 ON MAY 30	1.25 B ON MAR 1	382 000	1927
1928	---	80.3 ON JUL 3	2.81 B ON MAR 9	290 000	1928
1929	---	128 ON JUN 4 *	0.948 ON AUG 25	193 000	1929
1930	---	---	---	---	1930
1931	---	18.3 ON APR 3	0.487 ON AUG 30	51 700	1931
1932	---	---	---	---	1932
1933	---	82.0 ON APR 13	---	---	1933
1934	---	36.5 B ON APR 8	0 ON JUL 21 *	39 400	1934
1935	---	44.2 ON JUN 14	0 B ON MAR 1	44 300	1935
1936	---	40.5 ON MAY 24	0.085 ON SEP 28	88 700	1936
1937	---	69.7 ON JUN 17	0.0878 ON MAR 1	73 700	1937
1938	---	---	---	---	1938
1939	---	11.9 ON APR 13	0.040 ON SEP 2	52 800	1939
1940	---	8.89 ON JUN 3	0.0288 ON MAR 1	30 700	1940
1941				128 000	1941
					MEAN

B - ICE CONDITIONS * - EXTREME RECORDED FOR THE PERIOD OF RECORD

WILLOW CREEK NEAR NOLAN - STATION NO. 05AD002

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1909	---	---	---	---	---	---	8.36	3.78	1.28	1.17	---	---	---	1909
1910	---	---	---	1.15	1.48	0.885	0.080	0.077	1.32	1.38	---	---	---	1910
1911	---	---	---	2.18	5.87	5.84	2.05	0.74	15.8	2.88	---	---	---	1911
1912	---	---	---	---	8.84	10.8	14.0	8.05	3.89	3.41	---	---	---	1912
1913	---	---	---	---	11.2	8.99	8.48	5.29	2.81	2.42	---	---	---	1913
1914	---	---	---	5.18	4.42	4.29	2.57	0.887	0.817	3.85	---	---	---	1914
1915	---	---	---	3.87	28.2	48.6	34.7	15.4	8.11	5.36	3.98	3.00	---	1915
1916	0.811	1.02	4.87	8.27	9.08	35.3	18.7	4.84	8.53	7.04	5.83	3.02	11.3	1916
1917	1.12	0.823	2.04	12.0	38.6	52.8	11.1	4.50	2.84	2.33	2.74	0.882	15.7	1917
1918	0.878	0.888	2.81	2.84	4.24	3.23	0.837	0.882	1.08	0.983	0.478	0.181	2.04	1918
1919	0.282	0.282	0.288	3.18	3.73	1.34	0.108	0.282	0.227	0.481	1.04	0.381	1.19	1919
1920	0.347	0.418	3.07	8.88	34.5	18.0	5.72	1.27	0.828	0.738	0.732	0.308	8.82	1920
1921	0.083	0.814	1.78	4.88	4.88	3.08	1.08	0.331	0.287	0.888	0.378	0.248	2.08	1921
1922	0	0	0.212	8.43	10.8	4.70	2.34	0.828	0.213	0.337	0.288	0.088	3.20	1922
1923	0.080	0.018	0.804	2.88	3.87	83.8	18.8	7.72	3.11	2.00	---	---	12.8	1923
1924	---	---	2.23	---	---	---	---	---	---	---	---	---	---	1924
1942	---	---	1.08	4.38	40.0	48.8	20.4	8.28	8.71	5.43	---	---	18.8	1942
1943	---	---	8.88	14.8	7.88	7.34	2.73	0.887	0.384	0.887	---	---	4.84	1943
1944	---	---	0.378	3.28	1.42	1.28	0.837	0.414	0.308	0.148	---	---	0.878	1944
1945	---	---	0.812	0.838	7.87	17.1	8.18	0.784	0.883	1.08	---	---	4.24	1945
1946	---	---	2.83	2.18	3.44	12.2	2.84	0.783	2.88	3.13	---	---	3.70	1946
1947	---	---	4.87	11.3	14.8	12.8	3.88	2.04	3.78	8.00	---	---	7.20	1947
1948	---	---	8.82	21.1	88.8	43.8	14.2	8.81	3.27	2.22	---	---	18.8	1948
1949	---	---	0.884	8.07	8.08	4.48	1.31	0.214	0.278	0.748	---	---	2.38	1949
1950	---	---	2.38	4.82	8.28	4.80	1.88	0.848	0.210	0.318	---	---	2.84	1950
1951	---	---	11.4	8.87	18.8	41.8	18.8	8.21	20.7	14.8	---	---	17.8	1951
1952	---	---	8.21	21.2	11.8	12.8	7.80	4.70	2.22	1.82	---	---	8.32	1952
1953	---	---	8.04	7.82	28.4	88.3	17.7	8.08	3.07	1.88	---	---	18.8	1953
1954	---	---	2.00	8.04	18.4	13.8	3.81	3.88	3.84	4.43	---	---	8.77	1954
1955	---	---	1.88	18.0	34.8	20.8	18.1	3.07	1.80	1.71	---	---	11.7	1955
1956	---	---	8.38	4.84	8.82	3.32	7.12	1.88	1.12	0.788	---	---	3.88	1956
1957	---	---	3.31	8.37	8.88	8.88	2.08	0.818	0.738	1.30	---	---	3.80	1957
1958	---	---	2.88	18.8	14.4	8.87	13.2	4.72	1.78	1.12	---	---	7.77	1958
1959	---	---	8.80	8.88	12.8	11.8	3.88	1.33	1.42	1.27	---	---	8.48	1959
1960	---	---	8.70	4.88	11.3	8.08	1.31	0.884	0.188	0.388	---	---	3.83	1960
1961	---	---	0.888	1.43	8.11	2.31	0.437	0.884	0.351	1.48	---	---	1.88	1961
1962	---	---	8.74	12.8	4.41	3.13	0.770	0.242	0.304	0.324	0.318	0.188	3.48	1962
1963	0.132	0.818	0.842	0.782	1.84	18.8	20.2	1.73	0.748	0.500	0.802	0.884	8.37	1963
1964	0.381	0.288	0.483	2.88	18.8	8.32	2.87	0.781	0.882	0.788	0.887	0.378	4.30	1964
1965	0.223	1.71	2.01	8.78	4.38	11.8	10.2	2.88	3.48	2.83	1.48	1.84	8.77	1965
1966	0.288	0.371	3.83	3.88	4.31	17.3	4.81	2.84	1.88	0.878	0.823	0.488	4.88	1966
1967	0.282	0.284	3.88	7.87	28.8	48.8	10.4	2.31	1.23	1.28	1.48	0.832	12.8	1967
1968	1.47	1.22	2.83	2.30	2.41	3.78	2.34	1.82	3.83	8.18	---	---	3.02	1968
1969	---	---	8.88	20.4	18.1	24.2	33.7	3.82	1.82	2.83	---	---	13.8	1969
1970	---	---	1.84	4.42	7.77	12.4	4.38	1.81	0.787	1.14	---	---	4.22	1970
1971	---	---	1.88	8.27	3.87	7.10	1.38	0.874	0.828	0.880	---	---	2.78	1971
1972	---	---	11.8	8.81	18.8	12.2	4.30	4.88	3.17	2.88	---	---	8.41	1972
1973	---	---	3.31	4.88	12.0	8.81	2.30	1.81	1.88	1.12	---	---	4.32	1973
1974	---	---	4.38	8.88	24.0	18.8	3.33	2.22	1.82	1.82	---	---	7.34	1974
1975	---	---	0.888	8.21	21.7	22.2	10.3	3.88	1.78	1.88	---	---	8.04	1975
1976	---	---	4.81	3.84	8.81	3.88	0.778	18.2	1.82	1.38	---	---	3.80	1976
1977	---	---	1.83	2.88	0.821	0.418	0.188	0.378	0.378	0.388	---	---	0.848	1977
1978	---	---	8.81	3.83	11.8	18.8	8.84	2.88	4.82	1.88	---	---	8.78	1978
1979	---	---	4.83	7.34	17.8	8.88	1.38	0.884	0.883	0.818	---	---	4.88	1979
1980	---	---	1.78	3.81	3.18	7.73	0.818	0.878	0.837	1.02	---	---	2.44	1980
1981	---	---	1.72	1.28	21.4	17.1	8.83	2.88	0.884	0.887	---	---	8.82	1981
1982	---	---	0.884	3.81	1.78	8.14	2.78	0.283	0.342	0.884	---	---	1.82	1982
1983	---	---	1.88	3.81	3.88	1.83	0.834	0.188	0.188	0.237	---	---	1.88	1983
1984	---	---	0.888	0.878	0.382	0.287	0.188	0.087	0.147	0.274	---	---	0.378	1984
MEAN	0.403	0.878	3.28	8.48	12.4	18.7	8.88	2.88	2.33	1.87	1.48	0.788	8.41	MEAN

LOCATION - LAT 49 47 33 N LONG 113 32 13 W DRAINAGE AREA, 2 280 km^2 REGULATED SINCE 1985

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1909	---	---	---	---	1909
1910	---	2.32 ON SEP 21	---	---	1910
1911	---	41.8 ON SEP 5	---	---	1911
1912	---	38.5 ON JUN 16	---	---	1912
1913	---	21.4 ON APR 12	---	---	1913
1914	---	12.7 ON APR 5	---	---	1914
1915	---	112 ON JUN 28	---	---	1915
1916	---	58.0 ON JUN 10	1.33 ON MAR 3	236 000	1916
1917	---	62.4 ON MAY 28	1.10 B ON MAR 1	332 000	1917
1918	---	11.4 B ON MAR 28	0.388 ON JUL 21	43 100	1918
1919	---	11.7 B ON APR 1	0.034 ON JUL 27	35 300	1919
1920	---	67.2 ON MAY 9	0.1678 ON MAR 13	187 000	1920
1921	---	22.4 ON APR 3	0.0628 ON MAR 16	43 500	1921
1922	---	24.5 ON APR 22	0 ON MAR 1 *	87 800	1922
1923	---	203 ON JUN 2	0.0428 ON MAR 2	287 000	1923
1924	---	---	---	---	1924
1942	552 AT 12:00 MST ON MAY 12	317 ON MAY 12	0.0578 ON MAR 1	352 000	1942
1943	---	77.8 ON APR 3	0.1708 ON MAR 8	105 000	1943
1944	---	8.51 ON APR 5	0.0578 ON MAR 10	20 700	1944
1945	---	37.8 ON JUN 7	0 B ON MAR 1	88 800	1945
1946	80.6 ON JUN 8	58.0 ON JUN 8	0.288 ON AUG 13	78 300	1946
1947	---	27.4 ON JUN 12	0.4538 ON MAR 1	152 000	1947
1948	---	101 ON MAY 23	0.881 ON OCT 7	400 000	1948
1949	---	16.7 ON MAY 22	0.057 ON AUG 23	50 000	1949
1950	9.16 AT 10:00 MST ON MAY 16	8.00 ON MAY 28	0.181 ON SEP 27	53 700	1950
1951	---	80.8 E ON JUN 24	0.2278 ON MAR 1	380 000	1951
1952	---	60.8 ON APR 7	1.44 ON SEP 20	178 000	1952
1953	552 AT 10:00 MST ON JUN 8 *	418 ON JUN 8 *	0.7938 ON MAR 6	415 000	1953
1954	---	36.8 ON MAY 12	1.10 B ON APR 3	143 000	1954
1955	107 AT 16:00 MST ON MAY 19	101 ON MAY 20	0.6238 ON MAR 2	248 000	1955
1956	---	31.7 ON JUL 5	0.2278 ON MAR 1	61 700	1956
1957	---	15.3 ON MAY 9	0.0858 ON MAR 6	82 500	1957
1958	---	82.1 ON APR 14	0.5108 ON MAR 6	185 000	1958
1959	28.9 AT 15:00 MST ON JUN 28	28.0 ON JUN 28	0.7898 ON MAR 6	116 000	1959
1960	34.6 B AT 18:00 MST ON MAR 20	28.2 B ON MAR 19	0.113 ON SEP 20	61 000	1960
1961	10.7 AT 01:00 MST ON MAY 18	8.88 ON MAY 17	0.088 ON SEP 6	33 800	1961
1962	81.8 AT 14:00 MST ON APR 5	37.1 ON APR 6	0.074A ON AUG 23	72 100	1962
1963	388 E ON JUN 30	326 E ON JUN 30	0.3008 ON MAR 14	114 000	1963
1964	80.1 AT 23:00 MST ON MAY 7	37.1 ON MAY 7	0.3518 ON MAR 6	81 100	1964
1965	84.1 AT 22:00 MST ON JUN 18	37.7 ON JUN 19	0.5048 ON MAR 28	122 000	1965
1966	41.8 AT 02:00 MST ON JUN 6	38.2 ON JUN 6	0.3578 ON MAR 9	86 700	1966
1967	---	98.7 ON JUN 2	0.3988 ON MAR 12	270 000	1967
1968	9.68 AT 02:00 MST ON SEP 27	8.28 ON SEP 27	0.908 ON AUG 6	84 000	1968
1969	120 AT 13:58 MST ON JUN 30	114 ON JUN 30	0.9778 ON MAR 7	285 000	1969
1970	---	43.0 ON JUN 15	0.568 ON AUG 28	88 300	1970
1971	24.1 AT 12:30 MST ON JUN 7	22.5 ON JUN 8	0.327 ON AUG 21	59 000	1971
1972	67.2 B AT 16:00 MST ON MAR 11	47.3 B ON MAR 16	0.2638 ON MAR 1	176 000	1972
1973	43.0 AT 03:20 MST ON MAY 27	37.4 ON MAY 27	0.677 ON AUG 26	81 500	1973
1974	37.8 AT 17:50 MST ON MAY 20	34.5 ON MAY 20	0.9408 ON MAR 1	155 000	1974
1975	101 AT 08:30 MST ON JUN 21	84.0 ON JUN 21	0.6488 ON MAR 3	181 000	1975
1976	42.3 AT 13:40 MST ON AUG 9	38.7 ON AUG 9	0.190 ON JUL 28	80 500	1976
1977	10.3 AT 12:05 MST ON APR 6	8.17 ON APR 6	0.008 ON JUL 19	18 000	1977
1978	37.1 AT 04:30 MST ON JUN 1	36.0 ON JUN 1	0.7028 ON MAR 3	143 000	1978
1979	23.3 AT 03:30 MST ON MAY 16	22.7 ON MAY 16	0.2548 ON MAR 1	105 000	1979
1980	16.2 AT 14:15 MST ON MAY 28	15.7 ON MAY 28	0.080A ON JUL 30	61 700	1980
1981	66.2 AT 00:25 MST ON JUN 15	62.4 ON MAY 23	0.600 ON SEP 19	138 000	1981
1982	11.7 AT 08:30 MST ON JUN 7	10.8 ON JUN 7	0.130E ON AUG 21	40 500	1982
1983	8.18 AT 12:55 MST ON APR 26	6.67 ON APR 26	0.043 ON AUG 7	22 500	1983
1984	1.69 AT 20:55 MST ON MAR 25	1.378 ON MAR 5	0.004 ON AUG 28	7 830	1984
				136 000	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLF CREEK AT HIGHWAY NO. 10A - STATION NO. 07AG003

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1954	---	---	---	---	---	---	---	---	---	---	1.27	0.895	---	1954
1955	0.687	0.850	0.695	5.38	9.58	8.56	5.57	1.53	0.381	0.741	0.605	0.283	2.99	1955
1956	0.314	0.282	0.275	4.48	4.48	5.51	2.19	1.24	0.858	0.605	0.715	0.830	1.81	1956
1957	0.545	0.332	0.416	5.00	5.05	2.03	2.83	5.76	2.80	4.70	3.46	1.44	2.53	1957
1958	0.819	0.765	0.619	5.53	5.80	7.53	7.15	0.595	0.984	1.14	0.539	0.275	2.86	1958
1959	0.153	0.092	0.238	1.73	3.12	5.50	2.34	0.887	1.26	1.87	1.38	0.702	1.95	1959
1960	0.508	0.385	1.74	4.22	8.72	8.84	8.72	1.08	1.47	1.88	0.832	0.358	3.04	1960
1961	0.544	0.508	0.600	1.70	4.42	1.67	2.34	1.38	0.408	1.24	0.521	0.077	1.31	1961
1962	0.087	0.087	0.318	5.53	5.76	2.83	3.40	3.58	5.80	3.04	2.01	0.708	3.28	1962
1963	0.223	0.077	0.084	11.7	10.7	3.14	0.971	0.587	0.902	0.789	0.375	0.318	2.50	1963
1964	0.218	0.279	0.284	1.53	12.0	4.20	7.04	5.88	13.3	7.04	2.08	0.930	4.57	1964
1965	0.387	0.517	0.449	5.98	17.5	19.9	25.0	2.85	4.52	2.27	1.00	1.00	7.08	1965
1966	0.494	0.883	1.09	7.18	8.31	4.21	5.98	15.7	5.85	3.04	1.48	1.33	4.88	1966
1967	0.841	0.506	0.658	3.80	5.42	5.82	2.05	3.38	0.509	0.410	0.345	0.128	2.41	1967
1968	0.045	0.022	0.105	2.41	5.29	4.57	3.75	5.41	3.21	1.75	0.840	0.788	2.48	1968
1969	0.473	0.402	0.403	4.88	5.39	2.16	7.61	16.6	5.99	5.75	2.82	0.819	4.82	1969
1970	0.508	0.508	0.756	5.88	5.00	5.88	3.30	1.55	0.880	0.942	0.505	0.532	2.53	1970
1971	0.508	0.847	0.587	5.18	7.15	27.6	26.3	2.76	2.25	4.52	2.08	1.08	7.07	1971
1972	0.826	0.406	2.35	7.97	15.0	31.1	5.41	3.67	2.82	5.00	2.71	1.26	7.12	1972
1973	0.850	0.992	0.978	12.4	15.2	4.58	2.27	5.05	2.14	2.91	1.17	0.812	4.13	1973
1974	0.728	0.718	0.882	15.7	22.2	3.11	5.08	2.91	2.08	2.02	0.882	0.671	5.01	1974
1975	0.542	0.563	0.824	1.78	4.68	5.63	5.82	0.889	0.834	0.888	0.578	0.488	1.98	1975
1976	0.525	0.508	0.538	5.78	2.83	3.46	5.44	5.78	2.50	1.48	0.935	0.870	2.88	1976
1977	0.543	0.650	0.581	3.81	28.6	10.0	6.88	8.01	14.3	5.70	1.82	0.772	7.00	1977
1978	0.872	0.882	1.15	7.05	10.8	16.1	6.09	2.70	11.2	4.11	1.84	1.06	5.48	1978
1979	0.498	0.518	0.824	2.16	5.77	9.37	8.84	2.48	0.778	1.23	0.858	0.827	3.10	1979
1980	0.598	0.588	0.621	7.75	7.76	43.1	13.7	5.22	5.75	3.12	1.95	1.28	7.81	1980
1981	0.610	0.598	1.08	3.82	9.98	8.82	3.30	1.46	0.981	1.00	0.937	0.257	2.88	1981
1982	0.178	0.338	0.322	2.38	5.76	5.58	41.1	4.88	4.74	3.87	1.21	0.588	5.26	1982
1983	0.558	0.804	0.843	3.18	2.81	5.18	12.8	1.34	1.05	1.07	0.887	0.432	2.57	1983
1984	0.420	0.612	0.882	3.18	9.50	8.08	1.45	1.28	7.77	3.58	1.85	1.02	3.11	1984
MEAN	0.508	0.484	0.681	5.88	9.52	8.18	8.18	4.27	3.71	2.83	1.28	0.708	3.83	MEAN

LOCATION - LAT 53 35 55 N
LONG 118 18 15 W

DRAINAGE AREA, 829 km²
NATURAL FLOW

WOLF CREEK AT HIGHWAY NO. 10A - STATION NO. 07AG003

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1954	---	---	---	---	1954
1955	27.4 AT 18:15 MST ON JUN 1	27.2 ON JUN 1	0.110 ON SEP 4	93 500	1955
1956	---	11.2 ON JUN 18	0.1428 ON MAR 5	57 100	1956
1957	---	20.4 ON APR 26	0.1428 ON FEB 1	111 000	1957
1958	84.1 AT 11:00 MST ON JUN 29	80.4 ON JUN 29	0.0858 ON DEC 8	90 100	1958
1959	26.6 AT 18:30 MST ON JUN 18	33.5 ON JUN 19	0.0288 ON JAN 19	61 500	1959
1960	---	52.7 ON JUL 3	0.0858 ON DEC 5	98 100	1960
1961	9.40 AT 14:00 MST ON JUL 31	8.81 ON JUL 31	0.0238 ON DEC 24	41 400	1961
1962	---	20.5 ON MAY 31	0.0288 ON FEB 2	104 000	1962
1963	---	41.1 ON APR 27	0.0208 ON MAR 26	78 800	1963
1964	---	80.6 ON MAY 8	0.1478 ON JAN 10	144 000	1964
1965	---	86.8 ON JUL 10	0.1708 ON JAN 10	223 000	1965
1966	---	49.3 ON AUG 8	0.2278 ON FEB 28	154 000	1966
1967	---	19.2 ON MAY 9	0.0858 ON DEC 14	76 800	1967
1968	---	14.1 ON AUG 7	0.0148 ON FEB 8 *	77 500	1968
1969	---	138 ON AUG 6	0.3008 ON DEC 22	146 000	1969
1970	---	40.6 ON JUN 17	0.4818 ON JAN 11	79 800	1970
1971	---	89.2 ON JUL 12	0.4798 ON JAN 14	223 000	1971
1972	280 AT 23:30 MST ON JUN 28 *	218 ON JUN 28 *	0.2828 ON FEB 18	225 000	1972
1973	---	33.7 ON MAY 8	0.7468 ON JAN 17	130 000	1973
1974	---	58.9 ON APR 27	0.3438 ON NOV 12	158 000	1974
1975	---	44.2 ON JUN 28	0.3438 ON NOV 28	81 700	1975
1976	---	25.1 ON APR 13	0.4488 ON MAR 4	83 200	1976
1977	---	92.9 ON MAY 30	0.4118 ON JAN 7	221 000	1977
1978	---	36.1 ON JUN 15	0.4848 ON FEB 13	172 000	1978
1979	---	28.8 ON JUN 15	0.2858 ON JAN 28	97 900	1979
1980	---	158 ON JUN 6	0.6418 ON MAR 5	281 000	1980
1981	---	22.2 ON MAY 9	0.1108 ON DEC 28	61 200	1981
1982	---	182 ON JUL 5	0.0808 ON JAN 3	196 000	1982
1983	---	32.7 ON JUL 2	0.3308 ON DEC 24	81 000	1983
1984	---	27.6 ON MAY 17	0.3008 ON JAN 15	98 200	1984
				124 000	MEAN

B - ICE CONDITIONS

* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 09AB002

MONTHLY AND ANNUAL MEAN DISCHARGES IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1968	---	---	---	---	---	---	---	---	0.084	0.526	0.537	0.541	---	1968
1969	0.587	0.590	0.640	1.40	3.43	1.61	0.934	0.597	0.539	0.597	0.644	0.690	1.07	1969
1970	0.708	0.708	0.805	1.61	2.13	1.21	13.2	5.83	4.20	3.85	2.88	1.85	3.34	1970
1971	1.41	1.03	0.715	3.05	5.72	3.58	10.4	4.07	1.09	0.262	0.078	0.189	2.85	1971
1972	0.327	0.419	0.520	2.33	5.90	2.20	0.837	0.598	0.100	0.073	0.177	0.184	1.14	1972
1973	0.180	0.178	0.181	0.440	1.67	3.74	2.50	2.81	3.52	2.86	2.42	1.87	1.83	1973
1974	1.18	0.841	0.884	4.74	18.7	8.18	2.18	0.914	0.880	0.887	0.817	0.880	3.26	1974
1975	0.731	0.834	0.758	1.28	4.88	4.83	7.72	4.10	1.89	1.02	0.885	0.888	2.50	1975
1976	0.838	0.888	0.408	0.888	0.813	0.841	3.04	2.07	1.78	0.878	0.407	0.428	1.07	1976
1977	0.482	0.383	0.375	0.854	1.52	1.88	1.12	1.58	1.10	0.888	0.540	0.390	0.817	1977
1978	0.384	0.453	0.448	0.754	1.89	3.50	1.15	0.341	0.851	0.553	0.281	0.290	0.881	1978
1979	0.494	0.472	0.452	0.458	2.08	4.18	1.28	0.370	0.668	0.388	0.305	0.518	0.970	1979
1980	0.481	0.284	0.222	0.778	0.431	0.173	0.028	1.24	3.18	3.00	1.42	0.889	1.01	1980
1981	0.558	0.388	0.317	0.581	0.823	0.374	0.503	0.248	0.051	0.004	0	0	0.305	1981
1982	0	0	0	0.040	0.807	0.444	0.341	0.387	0.307	0.175	0.083	0.028	0.201	1982
1983	0.034	0.082	0.070	0.181	1.78	0.724	0.881	0.450	0.228	0.141	0.104	0.100	0.398	1983
1984	0.088	0.173	0.185	0.384	1.05	2.89	0.922	0.210	0.014	0.018	0.118	0.184	0.818	1984
MEAN	0.511	0.471	0.432	1.24	3.35	2.41	2.84	1.88	1.20	0.929	0.883	0.883	1.38	MEAN

LOCATION - LAT 54 42 47 N DRAINAGE AREA, 725 km²
LONG 111 00 15 W NATURAL FLOW

WOLF RIVER AT OUTLET OF WOLF LAKE - STATION NO. 09AB002

ANNUAL EXTREMES OF DISCHARGE AND ANNUAL TOTAL DISCHARGE FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m³/s)	MAXIMUM DAILY DISCHARGE (m³/s)	MINIMUM DAILY DISCHARGE (m³/s)	TOTAL DISCHARGE (dam³)	YEAR
1968	---	---	---	---	1968
1969	---	5.24 ON MAY 7	0.487 ON AUG 26	33 900	1969
1970	18.0 AT 23:55 MST ON JUL 8	17.5 ON JUL 12	0.708E ON JAN 1	105 000	1970
1971	12.7 AT 05:30 MST ON JUL 14	12.7 ON JUL 14	0.085 ON NOV 5	63 700	1971
1972	---	7.22 E ON APR 30	0.048 ON OCT 19	36 100	1972
1973	5.27 AT 11:30 MST ON JUN 23	5.21 ON JUN 23	0.187 ON JAN 13	57 700	1973
1974	22.1 AT 11:00 MST ON MAY 15 *	22.0 ON MAY 14 *	0.858 ON SEP 4	103 000	1974
1975	10.1 AT 20:30 MST ON JUL 3	9.77 ON JUL 8	0.560 ON NOV 22	78 800	1975
1976	4.33 AT 20:30 MST ON JUL 20	4.25 ON JUL 20	0.337 ON APR 1	33 800	1976
1977	2.81 AT 15:30 MST ON MAY 29	2.71 ON MAY 29	0.328 ON MAR 6	26 800	1977
1978	---	5.49 ON JUN 5	0.235A ON AUG 15	35 100	1978
1979	---	5.86 A ON JUN 17	0.182 ON NOV 21	30 800	1979
1980	---	4.22 A ON SEP 27	0.003E ON JUL 30	31 800	1980
1981	---	0.817A ON APR 27	0 B ON NOV 14 *	8 810	1981
1982	0.881 AT 18:42 MST ON MAY 26	0.804 ON MAY 24	0 B ON JAN 1	8 330	1982
1983	2.60 AT 09:43 MST ON MAY 7	2.36 ON MAY 7	0.028B ON JAN 1	12 800	1983
1984	---	3.87 E ON JUN 8	0.003 ON SEP 8	18 300	1984
				43 500	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1967	---	---	---	0.137	0.084	0.018	0.003	0	0	---	---	---	---	1967
1968	---	---	---	0.015	0.057	0.183	0.002	0.050	0.001	0.003	---	---	---	1968
1969	---	---	0	0.122	0.023	0.003	0.033	0	0.003	0.007	---	---	0.024	1969
1970	---	---	0.004	0.132	0.048	0	0	0	0	---	---	---	0.022	1970
1971	---	---	0	0.035	0.003	0.124	0.074	0.001	0.001	0.003	---	---	0.030	1971
1972	---	---	0.072	0.173	0.018	0.024	0.007	0.008	0.004	0.001	---	---	0.038	1972
1973	---	---	0.008	0.118	0.048	0.080	0.010	0.005	0.013	0.048	---	---	0.040	1973
1974	---	---	0.002	0.328	0.133	0.005	0.003	0.002	0.003	0.003	---	---	0.059	1974
1975	---	---	---	---	0.035	0.021	0.013	0.010	0.004	---	---	---	---	1975
1976	---	---	---	---	0.021	0.208	0.034	0.288	0.030	0.017	---	---	---	1976
1977	---	---	---	---	0.188	0.032	0.058	0.012	0.012	0.024	---	---	---	1977
1978	---	---	---	---	0.108	0.057	---	0.004	0.018	---	---	---	---	1978
1979	---	---	---	---	0.200	---	0.024	0.007	0.001	---	---	---	---	1979
1980	---	---	---	0.023	0.012	0.030	0.003	0	0	---	---	---	---	1980
1981	---	---	---	0.108	0.027	0.002	---	---	---	---	---	---	---	1981
1982	---	---	---	---	0.028	0.008	0.013	0.027	0.008	0.002	---	---	---	1982
1983	---	---	---	0.012	0.004	0.110	---	0.020	0.002	0.002	---	---	---	1983
1984	---	---	---	0.037	0.180	0.028	0.002	0.002	0.007	0.014	---	---	---	1984
MEAN	---	---	0.014	0.102	0.057	0.054	0.019	0.028	0.008	0.010	---	---	0.035	MEAN

LOCATION - LAT 54 55 17 N DRAINAGE AREA, 11.1 km²
LONG 117 48 32 W NATURAL FLOW

DATA CONTRIBUTED BY - ALBERTA DEPARTMENT OF THE ENVIRONMENT

WOLVERINE CREEK NEAR VALLEYVIEW - STATION NO. 07GF003

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1967	0.814 AT 10:00 MST ON APR 26	0.537 ON APR 26	0B ON APR 1 *	---	1967
1968	34.0 AT 14:50 MST ON JUN 12 *	2.38 ON JUN 12 *	0A ON MAR 22	---	1968
1969	22.9 A AT 04:15 MST ON JUL 16	0.954A ON JUL 16	0 ON MAR 1	500	1969
1970	0.479 AT 04:00 MST ON MAY 17	0.382 ON MAY 17	0B ON MAR 1	480	1970
1971	1.46 AT 09:30 MST ON JUL 12	0.718 ON JUL 12	0B ON MAR 1	632	1971
1972	0.773 AT 09:00 MST ON JUN 26	0.436 ON JUN 26	0B ON MAR 1	506	1972
1973	0.733 AT 22:00 MST ON JUN 10	0.552 ON JUN 11	0 ON AUG 11	446	1973
1974	1.26 B AT 23:00 MST ON APR 23	1.01 B ON APR 24	0 ON JUL 8	1 250	1974
1975	---	0.2168 ON APR 18	0B ON APR 2	---	1975
1976	---	2.33 E ON AUG 17	---	---	1976
1977	---	0.823 ON MAY 14	---	---	1977
1978	---	0.402 ON APR 30	---	---	1978
1979	0.925E AT 12:15 MST ON JUN 16	0.880E ON JUN 16	0 ON APR 8	---	1979
1980	0.136 AT 12:57 MST ON JUN 8	0.133 ON JUN 8	0B ON APR 1	---	1980
1981	0.185 AT 23:52 MST ON APR 24	0.1688 ON APR 25	0 ON MAY 31	---	1981
1982	0.344 AT 14:32 MST ON MAY 17	0.091 ON MAY 17	0B ON MAR 24	---	1982
1983	---	---	0 ON OCT 7	---	1983
1984	0.974 AT 15:55 MST ON MAY 17	0.948 ON MAY 17	0 ON JUL 24	---	1984
				749	MEAN

A - MANUAL GAUGE (SEE REFERENCE INDEX)
B - ICE CONDITIONS
E - ESTIMATED
* - EXTREME RECORDED FOR THE PERIOD OF RECORD

YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD013

MONTHLY MEAN DISCHARGES AND MEAN DISCHARGES FOR MAR TO OCT IN CUBIC METRES PER SECOND FOR THE PERIOD OF RECORD

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	MEAN	YEAR
1982	---	---	---	0.313R	0.005R	0 R	0 R	0.032R	OR	OR	---	---	---	1982
1983	---	---	---	0.185	0.001	0.047	0.250	0	0	0	---	---	---	1983
1984	---	---	---	0.004	0.004	0.010	0.002	0	0	0	---	---	---	1984
MEAN	---	---	---	0.162R	0.003R	0.019R	0.084R	0.011R	OR	OR	---	---	---	MEAN

LOCATION - LAT 55 48 00 N
LONG 118 47 00 W
DRAINAGE AREA, 31.6 km^2
NATURAL FLOW
R - REVISED SINCE JAN 1980

YOUNG DRAINAGE PROJECT NEAR SPIRIT RIVER - STATION NO. 07FD013

EXTREMES OF DISCHARGE AND TOTAL DISCHARGE FOR MAR TO OCT FOR THE PERIOD OF RECORD

YEAR	MAXIMUM INSTANTANEOUS DISCHARGE (m^3/s)	MAXIMUM DAILY DISCHARGE (m^3/s)	MINIMUM DAILY DISCHARGE (m^3/s)	TOTAL DISCHARGE (dam^3)	YEAR
1982	4.79 R AT 22:05 MST ON APR 26 *	---	---	---	1982
1983	4.33 AT 21:05 MST ON JUL 20	---	---	---	1983
1984	0.449 AT 19:37 MST ON MAR 20	0.2028 ON MAR 20 *	0 ON APR 2 *	---	1984
				---	MEAN

B - ICE CONDITIONS
* - EXTREME RECORDED FOR THE PERIOD OF RECORD
R - REVISED SINCE JAN 1980

NAME	STATION NO.	PAGE
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ALBERTA RAILWAY AND IRRIGATION CO. CANAL NEAR KIMBALL	05AE003	2
ALKALI CREEK NEAR THE MOUTH	05CK005	2
AMISK CREEK NEAR SHORTS	05EE016	3
AMISK RIVER AT HIGHWAY NO. 38	05AA002	3
ANTELOPE COULEE SPILLWAY	05BB010	4
ARCADIA CREEK NEAR ARCADIA	07BH001	5
ASPHALT CREEK NEAR FORT MACKAY	07DA013	6
ATHABASCA RIVER AT ATHABASCA	07BE001	6
ATHABASCA RIVER AT EMBARRAS AIRPORT	07DD001	7
ATHABASCA RIVER AT ENTRANCE	07AD001	8
ATHABASCA RIVER AT HINTON	07AD002	9
ATHABASCA RIVER BELOW MCMURRAY	07DA001	10
ATHABASCA RIVER NEAR JASPER	07AA002	11
ATHABASCA RIVER NEAR WINDFALL	07AE001	12
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ATLAS MINE COULEE AT WESTERN MONARCH	05CE005	14
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BEAVER CREEK NEAR BROCKET	05AB013	21
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BEAVER RIVER ABOVE SYNCRUDE	07DA018	22
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BEAVER RIVER NEAR GOODRIDGE	05AA001	25
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BOW RIVER BELOW BASSANO DAM	05BM004	54
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